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The Chemical Market Authority Since 1871

Volume 150 No. 21 November 18, 1946

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RFC Ends Alcohol Subsidies, Ups Price

OPD Washington Bureau

The Reconstruction Finance Corporation has increased the selling price of its industrial alcohol to 75 cents a gallon in an action approved by the Office of War Mobilization and Reconversion, tantamount to ending the industrial alcohol subsidy program. This compares with a price of 49 cents a gallon which the RFC maintained throughout the war.

Six of the eight companies which are the buyers of the alcohol have given their approval to the increase to the agency and letters of confirmation are awaited from the other two. The new price is approximately equal to the cost of the alcohol now in government inventories, officials said.

Because ceiling prices have been taken off practically all commodities by the government, the agency felt that it should no longer be called upon to continue its subsidy program on this product. Objections of other government agencies to the intentions of the RFC made it necessary to take the issue to the OWMR, which approved its increase at a conference of all agencies concerned November 12.

The new price became effective with the issuance of new contracts November 13.

Fats, Oils Distribution Methods Plan Eased

OPD Washington Bureau

The international emergency food council announces that it will continue to make recommendations for the international distribution of fats and oils, but it will discontinue making recommendations dealing with special purchasing methods.

D. A. Fitzgerald, secretary-general, said that this means that as purchasing arrangements initiated as the result of previous recommendations expired, buying and selling countries will be free to make any arrangements which are mutually satisfactory for the purchase and sale of fats and oils in amounts consistent with current or future allocation recommendations.

Estimated exportable supplies of fats and oils in 1947, while somewhat larger than in 1946, will be substantially short of the requirements, so continued international cooperation will be necessary in order to obtain a more equitable distribution of available supplies. Supplies appear to be least adequate during the first six months of 1947 but should progressively improve in the third and fourth quarters. It is contemplated that at least a preliminary recommendation for the international distribution of 1947 export supplies of fats and oils will be announced by December 15.

Labor Act Revision On Congress Agenda

OPD Washington Bureau

Legislation for a broad revision of the National Labor Relations Act will be introduced early in the coming session of congress by Senators Joseph H. Ball of Minnesota and Homer Ferguson of Michigan.

Senator Ball, one of the leaders in the unsuccessful fight last session for new labor legislation, promised to seek an end of the closed shop, declaring that the requirement of union membership as a condition of employment is the "most reactionary and illiberal thing we've got in our industrial picture."

He also urged outright junking of the National Labor Relations Board and said that the sooner congress writes a statute to permit any one whose rights are affected to go into court directly, the better off the country will be.

Senator Ferguson said that he will advocate the establishment of labor courts to settle disputes in key industries and an amendment to the law to make labor and management equally responsible for their contracts.

Metal Subsidies Set by Prices

Increase in market prices for copper, lead and zinc would automatically reduce government subsidies paid to mines for exceeding production quotas, Civilian Production Administration officials said last week. Ceiling prices have been replaced by market prices as a basis for determining the amount of government subsidy which can be earned by a producer, the officials said.

Raisin Use for Alcohol Still Restricted by D.ofA.

OPD Washington Bureau

The Department of Agriculture has reminded the raisin industry that War Food Order 16, which controls the use of raisins, is still in effect. The order is being retained because of the importance of utilizing this year's small production for non-beverage uses.

WFO 16, one of the few such orders still in effect, provides that no person, unless specifically authorized by the Administrator of the Production and Marketing Administration, shall purchase, accept delivery of, or use raisins or Zante currants for conversion into alcohol, brandy, wine syrup, paste, non-food products, or non-food byproducts.

Argentine Linseed Oil Sale Underway

From 5,000 to 6,000 tons of Argentine linseed oil has been received at New York and another 12,000 tons are enroute from Argentina, the Commodity Credit Corporation reported last week. The oil will be sold to crushers at the prevailing market price.

Sale of the oil already unloaded at New York started November 14. Crushers are being allotted the oil on a percentage basis and are given a week's option to purchase.

Research Adviser

Dr. William T. Read, former dean of the school of chemistry at Rutgers University, who recently was named a scientific research adviser to the research and development division of the War Department General Staff.

Nobel Chemistry Prize Shared by 3 Americans

The 1946 Nobel prize in chemistry was divided among three Americans, it was reported in Stockholm, November 14. One-half the prize will go to Dr. James B. Sumner, of Cornell University, and the other half will be shared by Dr. John H. Northrop and Dr. Wendell M. Stanley, both of the Rockefeller Institute for Medical Research.

The Swedish Academy of Science selected Dr. Sumner because of his discovery that "enzymes may be crystallized," and the other two for their "achievements in preparing enzymes and virus proteins in pure form."

Dr. Percy W. Bridgeman, of Harvard University, won the physics award for his invention of apparatus producing extremely high pressures and for studies "within the sphere of high-pressure physics."

CPA Chemicals Decontrol Speeded

OPD Washington Bureau

Fewer than thirty basic control orders will remain in existence when the Civilian Production Administration expires automatically under the law next March 31, CPA Administrator J. D. Small told reporters at a press conference November 12.

Mr. Small said that he expects the agency to continue in some form or another until its expiration date, but he was heartily in accord with the new decontrol policy of the Administration and said that he expects to speed up the decontrol process of his agency. He is now having a survey made of the forty-five major CPA orders still in existence and by this week expects to have a "pretty clear picture" of the speed with which they can be dropped.

These include eleven orders in the field of chemicals and allied products. Mr. Small preferred not to "Look into the crystal ball" to predict what controls may be retained or removed during the next few weeks, but it appeared likely in view of the present attitude of the Administration that some of the chemical industry orders will be dropped soon. It is probable that some announcement concerning these orders may be made this week.

Officials of the chemicals bureau had been surveying the need for continuance of its orders for several weeks and the President's price decontrol order over the last weekend only tended to speed up this work. Studies have been completed on some of the orders and these are now before the top staff of CPA for action.

It appears almost certain that the first order to be abandoned in the chemical field will be M-390, which prevents the diversion of hide glue stocks to purposes other than making glue. During the war it became necessary to invoke the order because of the shortage of raw material for glue manufacture but since the ending of livestock control and the heavy slaughtering of animals that has followed, the raw materials problem is on the way to solution.

The penicillin distribution order, Schedule 118 of M-300 can be ex-

—*Continued on page 35*

Labor Relations

Mitchell M. Shipman
Labor-Management Consultant

Wage and Hour Law Exemptions for Employees

In virtually all plants, there will be found one or more employees who hover in the twilight zone between their being in or out of the law's coverage. Here a wide variety of situations has arisen, resulting in numerous court decisions and division interpretations on coverage issues.

To begin with, the act is not limited to manual or production workers. Maintenance employees, including watchmen and guards are covered. White collar and office workers are likewise included.

A broad and important category of employees who are exempt from the minimum wage and overtime requirements of the law are "executive, administrative, and professional employees." The act requires such employees to be actually engaged in such exempt work, expressly using the term, "bona fide." Hence, merely affixing a job title to an employee would not, therefore, be enough. His actual work must come within the exemption.

An important cause of controversy and violation derives from the circumstance that so very often an employee whom the employer considers executive or administrative personnel may perform some manual work of a nonexecutive and nonadministrative nature. Does he lose his exempt status thereby?

Manual Work Maximum

The Wage and Hour Administrator by his regulations which have been accepted by the courts, has not required that the exempt employee do 100 percent nonmanual work. Recognizing industrial custom and practical employer needs, a 20 percent test has been established. Under it, an employee who spends not more than 20 percent of his time in the workweek on nonexempt employee work continues to be exempt if he otherwise qualifies as an executive, administrative, or professional employee.

In addition to this 20 percent rule, the regulations have laid down certain specific tests to help determine whether a particular employee qualifies as an executive, administrative, or professional employee. A minimum rate or salary must, for example, be paid the employee. For the "executive" it must be not less than $30 a week, exclusive of board, lodging, or other facilities. For an administrative and professional employee, it is on the basis of not less than $200 a month, net.

The following further qualifying tests have been laid down by the regulations:

Executives

(a) Must actually manage an establishment or a customarily recognized department or subdivision thereof.

(b) Customarily and regularly directs the work of other employees therein.

(c) Has the authority to hire or fire or make suggestions for hire or fire, advancement, promotion, or change of employee status, such suggestions being given particular weight by the management.

—*Continued on page 58*

Blackstrap Molasses Still Under Ceiling

OPD Washington Bureau

Blackstrap molasses, whether of imported or of domestic production, continues to be subject to price control, the Office of Price Administration announced November 14, with publication of its formula order that decontrols all other products except sugar, syrup and rice.

Supplementary Order 193 defines those products remaining under price controls as follows:—Sugar and sugar solutions derived from sugar cane or sugar beets, including all grades of edible syrup and molasses and blackstrap molasses (imported and domestic); corn syrup and corn sugar (imported and domestic); blended syrup (imported and domestic), which contain at least 20 percent by weight or volume of sugar, sugar solutions, corn syrup or corn sugar, either singularly or in combination, and rice, rough and milled (imported and domestic).

Caustic Soda Parley Postponed Until Nov. 27

OPD Washington Bureau

The scheduled meeting of the Soda Ash Producers Advisory Committee with the Civilian Production Administration to discuss the supply problem of caustic soda was postponed from November 13 to November 27. The committee is endeavoring to work out, in cooperation with the CPA, a plan that will assure essential industries adequate supplies of the material without it being necessary for the government to establish controls for distribution.

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OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Nov. 14, 1946	Nov. 7, 1946	Nov. 15, 1945
148.7	**148.6**	**133.9**

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price changes were again numerous in the market for chemicals, oils, and drugs last week. The influence of price-decontrol was widely manifested, but it did not come up to general expectations as an elevator of price views. In truth, there were just about as many reductions as there were advances, although the latter carried slightly the more weight. Termination of governmental subsidies was an additional booster influence.

The averages of two market divisions were lowered over the week. One of these divisions—textile and leather chemicals—has the unique distinction of being lower than it was a year ago.

The volume of transactions—such as was left by the inadequacy of transportation—was curtailed a bit by the general uncertainty as to what would be done with prices.

Prices were advanced on copper, lead, zinc, copper sulphate, lead oxides, white lead, zinc stearate, also aluminum, barium, calcium, and magnesium stearates, oxalic acid, gum, wood, and sulphate turpentines, alphapinene, dipentene, pine oil, USP oil of turpentine, mustardseed oil, apricot-kernel oil, also Brazilian bois de rose, cardamom, dill, and ocotea oils, alcohol, acetanilide, glycerin, sorbitol, yellow beeswax, carnauba wax, bone and hoof meals, castor pomace, clover, tops, and some corianders, maces, and mustardseeds.

Prices were reduced on diphenyl oxide, oils of anise, cassia, ginger, hemlock, juniperwood, lavandin, spike lavender, mandarin, petitgrain, rosemary, sage, vetiver, and wormseed, cottonseed meal, cantharides, gum arabic, althea, calendula, cubebs, ipecac, and some anises, cassias, and cloves.

Kapok Control Order Revoked by CPA

The Civilian Production Administration has revoked its controls over kapok. The kapok order, M-85, issued February 4, 1942, provided for the allocation by CPA of the Reconstruction Finance Corporation's kapok stockpile, and also controlled the use of kapok imported for private account.

In an amendment issued July 11, 1946, restrictions on use of imports were abandoned, but the RFC provisions were retained. CPA estimated that if allocations were continued for the rest of the year at the current rate, there would be less than 400,000 pounds of kapok in the RFC stockpile by December 31. This is a negligible amount for control purposes in comparison with the pre-war annual importation rate of 16,000,000 pounds of Java grade kapok, the best type for flotation purposes.

Detinning Plant Offered by WAA

OPD Washington Bureau

War Assets Administration is offering for sale or lease a Birmingham, Ala., detinning plant, operated during the war by the Johnston & Jennings Company. The project was designed for recovery of tin as tin oxide and black steel scrap from tin cans. It has a monthly capacity of 20,000 tons.

Late Market News

Carnauba wax was in improved demand for shipment from Brazil last week and prices were advanced 6c. and 7c. per pound for prompt and nearby shipment. The local spot market was unchanged and prices were steadier.

Cottonseed oil, crude, was stronger late in the week and bids were increased to 26½c. in tankcars, f.o.b. mills, in all sections of the South.

Petroleum derivatives manufactured by a large producer are expected to advance in price shortly in reflection of last week's advances of 5c. to 28c. per barrel for crude petroleum posted by that producer in Texas and Louisiana oil fields.

Soybean protein prices are again being quoted by the Glidden Company's soya products division, Chicago. They are 28 cents per pound for 40,000-60,000 pounds; 28¼ cents for 20,000 to 40,000 pounds; 28½ cents for less than 20,000 pounds, and 32 cents for less than 100 pounds. This is 8 cents per pound higher than when last quoted more than a month ago.

Oil Group Confident Of Production Ability

W. R. Boyd, jr., of Teague, Tex., was reelected president of the American Petroleum Institute at its annual meeting in Chicago last week. The meeting was marked by the confidence of oil producers of their ability to meet every demand put upon the industry, if production is not strangled by government-fostered international cartels.

ACS to Aid Foreign Chemists Study in U.S.

The American Chemical Society has offered a contribution of $25,000 to the United Nations Educational, Scientific and Cultural Organization for the payment of expenses in this country of foreign chemists and chemical engineers who wish to engage in advanced studies and who could not make the trip without such aid.

Bids Wanted

Asbestos - magnesia mixture, 5,000 pounds, Army Ordnance Department (Washington, D. C.) invitation 60, November 27.

Caustic Soda, 4,000 13-ounce containers, Treasury Department (Cleveland, O.) invitation 3-W-46794-2-R, November 21.

Cleaning compound, 1,800 pounds, Army Signal Corps (Philadelphia, Pa.) invitation 141 November 26.

Dextrose CP, 1,000 pounds, District of Columbia Government (Washington, D. C.) schedule 9213, November 19.

Drugs and Chemicals, Veterans Administration (Washington, D. C.), invitation A-23, November 21; invitation A-24, November 21; invitation A-21, November 21; invitation A-22, November 21; Veterans Administration (Coatesville, Pa.), invitation 47-133, November 19.

Fish oil, 6,000 gallons, District of Columbia Government (Washington, D. C.), schedul 9215, November 20.

Lacquer thinner, 1,000 gallons, Army Ordnance Department (Metuchen, N. J.) invitation 72, November 20.

Linseed oil, raw, 450 gallons, Treasury Department (Seattle, Wash.), invitation T 11rp-47-72, November 21.

Nitro cellulose, 5,000 pounds, Army Ordnance Department (Dover, N. J.) invitation 73, November 22.

Paint, various types, 760 gallons, Veterans Administration (Coatesville, Pa.), invitation 47-135, November 19; 390 gallons, Treasury Department (Cleveland, O.), invitation 5W-46795-R, November 20; 200 gallons, Treasury Department (Washington, D. C.) invitation 5B-46837-R, November 20.

Perchlorocthylene, 4,200 pounds, District of Columbia Government (Washington, D. C.) schedule 9265, November 22.

Shellac, orange, 15,000 pounds, Panama Canal, Purchasing Officer (Washington, D. C.), schedule 8468 November 21.

Soap, grit, 13,150 pounds, Treasury Department (Washington, D. C.), invitation 3-W-46794-R, November 21; laundry, 47,980 pounds, Treasury Department, invitation 3-W-46794-R, November 21; 30,000 pounds Treasury Department (San Francisco, Calif.) invitation SF-3441-4, November 22; powder, 13,600 pounds, Treasury Department (Washington, D. C.) 3-W-46794-R, November 21.

Sodium chloride, 80,000 pounds, Veterans Administration (Murfreesboro, Tenn.), invitation 47-126, November 19.

White lead, in oil, 11,000 pounds, Treasury Department (Cleveland, O.), invitation 5W-46795-R, November 20; 17,500 pounds, Treasury Department (Fort Worth, Texas), invitation FW-263-1, November 22.

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Phenolic Resin Need For Housing Studied

OPD Washington Bureau

The national housing administration has begun sounding out the producers, of phenolic resins on the ability of the industry to meet the heavy requirements for this material which the veterans housing program will entail next year, it is learned.

An informal conference was held by officials with several of the largest producers this week to explore the problem, but no conclusions were reached. Further conferences will be held after the agency has obtained from the home builders a more accurate picture of their needs.

An outside estimate of the requirements for phenolic resin in the program for 1947 is 46,000,000 pounds, but this is admittedly high and subject to considerable scaling down. The heaviest demand for the material is in the manufacture of the aluminum prefabricated houses. It is to be made into a honeycomb pattern and filled with an insulating material and sandwiched between the inner and outer panels of the homes.

The housing administration has programmed the construction of 100,000 aluminum prefabricated homes for 1947, with emphasis placed upon two types of construction—the Fuller house and the Lincoln house. There is a wide variation in the amount of phenolic resin needed for the two types. However, even the contractors who plan to construct the houses vary in their estimates of phenolic resin requirements for the particular type they plan to build.

It is the hope of the NHA officials to standardize the requirements among the contractors and thus scale down the demands on the phenolic resin producers.

Solvay Announces 1947 Alkali Price Schedule

The Solvay Sales Corporation, New York, has revised soda ash, caustic soda and chlorine prices, for 1947 delivery, effective November 18. Soda ash prices are as follows:—58 percent, 100 pounds, light ash, bulk, $1 per hundredweight; paper bags, $1.20; burlap bags, $1.30 and barrels, $1.60. Dense prices for bulk delivery are $1.08; for paper bags, $1.28; burlap bags, $1.38, and barrels, $1.68. The usual quantity differentials on light and dense soda ash will be effective.

The 76 percent solid caustic soda in drums is quoted at $2.50; flake, drums, $2.90; ground, drums, $2.90. The 50 percent liquid, sellers' tankcar, basis 76 percent, $2, and 70 percent liquid, sellers' tankcars, basis 76 percent, $2.10. These prices are effective on sales of one carload or more for caustic soda, either ammonia soda or the electrolytic type.

Liquid chlorine, single unit, tankcars, is quoted at $2; multiple unit containers, three cars or more, $2.30; two cars, $2.90, and one car, $3.50.

Vitamin Foundation Sponsors Research

Considerable scientific research on vitamins must be undertaken in order to "furnish the foundation for the proper, rational and adequate usage of vitamins in public health and the practice of medicine," Dr. W. H. Sebrell, chief of the division of physiology, National Institute of Health, told the Nationa! Vitamin Foundation at its first dinner meeting at the Waldorf-Astoria hotel, New York, November 14.

At the same time, Dr. Robert S. Goodhart, scientific director of the foundation, announced to the ninety members and guests that its board of governors had approved a program involving nine grants-in-aid totaling $34,300, for vitamin research at hospitals and universities.

Glass Tubing Plant Sold to Wartime Lessee

OPD Washington Bureau

War Assets Administration has approved sale of a glass tubing plant at Parkersburg, W. Va., to Demuth Glass Works, Inc., wartime lessee, for $225,000. The purchaser will continue in the production of glass tubing. The sale was approved subject to compliance with the Surplus Property Act and applicable regulations.

Lead World Trade Freed of Control

OPD Washington Bureau

Importation of lead was ordered returned to private trade as of today in a directive by the Civilian Production Administration lifting all controls over the importation of this product.

In the same action, the agency directed the RFC to end its purchase of foreign lead except for handling existing unfilled commitments.

It was also announced by the CPA that the informal agreement that has existed since the first of the year betwen the United States and the United Kingdom under which the two countries limited the quantities of lead purchased in world markets is being terminated immediately.

All privately imported lead will be subject to a 1⅛ cents per pound tariff.

Metal Trades Ask Labor Act Repeal

The problems of labor held the attention of members of the National Metals Trades Association at the opening of the forty-seventh annual convention in the Commodore hotel, New York, November 14.

The association adopted unanimously a resolution that "repeal of the national labor relations act is vital to the public welfare and public safety."

H. J. Post, managing director of the National Association of Foremen told the gathering that the foreman desires to be an integral part of management, "where he rightfully belongs," and does not want to be in a bargaining unit.

State Dept. Names Thorp to New Post

OPD Washington Bureau

Willard L. Thorp has been appointed Assistant Secretary of State for Economic Affairs. Mr. Thorp entered the State Department last year as assistant to William L. Clayton, Under Secretary of State of Economic Affairs.

Freight Loading Rules Clarified

OPD Washington Bureau

Office of Defense Transportation regulation ODT-18A, concerning the maximum loading of freight cars, has been clarified so that nothing in the section shall be construed as requiring that a car shall be loaded to a weight in excess of the load limit of such a car; or, that a car shall be loaded to such an extent as to create a transportation hazard, or, that refrigerator cars containing perishable commodities shall be loaded so as to cover or obstruct the bulkhead screens of such cars.

Vegetable Dehydrating Plant in Calif. Sold

OPD Washington Bureau

A vegetable dehydrating plant in Bakersfield, Calif., operated during the war by the Kern Dehydrating Company, has been sold for $24,150 cash to the International Fertilizer & Feed Company, War Assets Administration has announced. The new owner intends to use the property for the production of commercial fertilizer and as a mixing plant for stock and cattle feed. The disposition is subject to compliance with the Surplus Property Act.

Whale Conservation Meeting Set for Nov. 20

OPD Washington Bureau

An international whaling conference attended by twenty governments will be held in Washington beginning November 20, it has been announced by the State Department. The object of the conference is to amend and codify existing international regulations governing the conduct of whaling with a view to conserving and developing the existing stocks of whales.

Fertilizer Association Discusses Future of Southern Agriculture

Atlanta, Nov. 13, 1946.

The challenge given science, manufacturing industry, and agriculture to make productive use of all the arable land and all the farm labor of the South was the major theme of the twentieth annual Southern meeting of the National Fertilizer Association during the past three days here. It was emphasized again and again that the role of the fertilizer industry in the meeting of that challenge was of the utmost importance.

The fertilizer industry must help agriculture solve its postwar problems, declared M. J. Funchess, director of the Alabama Agricultural Experiment Station at Auburn. It is fundamentally necessary to develop a philosophy and program which will have the greatest long-run value to agriculture. This will require vast changes in attitudes and practices and will take at least two generations—if the Federal government does not interfere.

Remaking Southern Agriculture

A new agriculture aimed at regional self-sufficiency and wider participation in the free, competitive markets of the nation was held by Mr. Funchess to be necessary for agricultural progress. He pointed out how Alabama, getting its largest farm revenue from cotton, has only 17 percent of its arable land in cotton, and less than 10 percent of the national farm income comes from cotton, although about 48 percent of the agricultural population is in the cotton belt. Alabama, with 4.4 percent of the total agricultural population gets only 0.6 percent of the national income from livestock products—meat, milk, eggs, and so on—and produces only about 60 percent of its own needs in these foods.

Grazing and other livestock ventures were held essential by Mr. Funchess. New crops, that will fit changing economic needs and do not demand revolutionary changes in dietary habits, must be cultivated, he declared. New fertilizers that will fit the needs if these crops must be furnished—some of his experimental work indicated that, if Alabama made the best use of all its potential land, it would consume almost 5,000,000,000 tons of fertilizer a year! The whole South is much the same, he declared. It can't live on cotton. Its problems are the problems of the customers of the fertilizer industry. It is good business to help the customers. So, the industry must understand these problems and contribute to their solution.

Science has aided much in the improvement of Southern agriculture, said L. D. Baver, director of the North Carolina Agricultural Experiment Station at Raleigh. It has been necessary because of the economically enforced trend from one-row crops suitable to the naturally acid soil to lime-weeding crops and soil stabilization. In the one-row crops—tobacco, cotton, and corn—the plant-breeder has provided disease-resistant types, hybrids of greatly increased yields—and requiring more fertilizer. He has increased the oil content of soybeans; shown how to fertilize peanuts, be-

—*Continued on page 48*

Aluminum Reimportation Barrier Removed

OPD Washington Bureau

The State Department has lifted the bars against the reimportation of surplus aluminum products from abroad in a move to meet the critical supply shortage that has developed in this country in aluminum.

The action, which became effective November 13, covers aluminum sheet, coils, bars and rods. The aluminum industry advisory committee of the Civilian Production Administration recently urged the government to take all steps necessary to increase the supply of these products, including the purchase of aluminum from Canada.

U.S. Entomologist Aiding Argentina

Dr. J. R. Parker, leading grasshopper control expert of the Department of Agriculture, has left by air for Argentina, in response to the request of the Argentine government for an entomologist who can give technical advice on the control of a grasshopper outbreak which is now occurring over wide areas in that country.

CPA Chemicals Unit Loses Miss Greco

Mary A. Greco has resigned her position with the Civilian Production Administration as administrative assistant to the chief of the inorganics branch of the chemicals division. She plans to leave soon for Tokyo to work with the scientific and economic section of the War Department. Miss Greco has been with the chemicals division for the past five years.

UN Atomic Energy Group Chairman Named

Alexandre Parodi became chairman of the United Nations Atomic Energy Commission and head of agency's committee on controls November 14.

Nitrogen Loan Terms Voided

OPD Washington Bureau

American producers of ammonium nitrate who loaned approximately 110,000 tons to the War Department for use in occupied countries, will not have the material returned to them as promised, according to the terms of a plan proposed last week by the Civilian Production Administration.

Despite protests by members of the Nitrogen Producers Advisory Committee, who insisted that it was understood the material would be returned to the industry when the War Department's ordnance plants were put into operation, the CPA said it proposed to ship the product to foreign countries to which American nitrogen was allocated by the International Emergency Food Council last June.

The proposed plan was advanced at a meeting between CPA and the committee at which government spokesmen stated that priorities assistance would be granted to various foreign countries to enable them to obtain from the United States the quantities of nitrogen allocated to them for agricultural purposes.

The agency said that American commitments to foreign countries and Puerto Rico have fallen short of the quotas set by the international group for the fertilizer year 1946-47.

The various producers to whom the war Department owes the nitrogen will receive credit for the deliveries, CPA said. The agency officials added that, in addition, United States producers would be required to ship 33,000 tons in December, plus 8,000 tons during the first quarter of 1947 and 20,000 during the second quarter to make up the allocations against United States production.

Frederic Arden, government presiding officer at the meeting, also said that approximately 202,000 tons of sulphate of ammonia will be required for distribution to foreign countries or United States territories in the fertilizer year 1946-47.

Puerto Rico, Latin American countries and the Philippines have been unable to make contracts with United States nitrogen producers for their ammonium sulphate quotas which amount to 31,000 tons, CPA said.

Mr. Arden said that it would be necessary to issue priority ratings for 25,000 tons, which would have to be shipped prior to March 31, 1947, when CPA's authority over distribution expires. The remaining 6,000 tons, he added, will be shipped by Canada.

Washington Talks It Over

The OPD Observer

Republicans in the Senate and House have been doing quite a bit of public talking about the Congressional reorganization law since their victory at the polls November 5, and all of it so far has been favorable. They are pledging themselves to carry out the provisions of the streamlining bill even though it means for many of their colleagues that they won't get the committee chairmanships for which they have been waiting.

There is one angle to these promises, however, that has been overlooked. The promises to carry out the law are all coming from Republicans who will get the limited number of committee chairmanships provided for by virtue of seniority and nothing yet has been heard from those who ordinarily would get to head a committee but won't because the number of committees is being cut down. And neither has the rank and file of the members had its say.

The main aim of the law is to merge many of the committees in both branches to give membership on the committees which will be enlarged, but it will take that much longer for those at the bottom of the list to reach the top and become chairmen. Committee chairmanships carry with them a certain degree of prestige that members don't cast aside indiscriminately.

Veteran Congressional observers, therefore, are predicting that the streamlining law will go into effect only after a fight, if at all.

REA-Financed Cooperatives

An important effect of the rural electrification program is the development of small industries in electrified rural areas. These modest enterprises, attracted by low operating costs possible in rural areas, often furnish substantial seasonal or permanent employment in the local community. In many cases, too, they meet rural needs by furnishing close to home markets for farm products or by supplying local demand for processed farm goods.

This trend toward decentralization is indicated by reports of the Rural Electrification Administration, which show that REA-financed cooperatives received almost twice as many requests for electric service from industrial and commercial consumers during the 1946 fiscal year as in the previous fiscal year. Among the industrial and commercial applicants re-

—*Continued on page 36*

Cotton Bags Orders Revocation Asked

OPD Washington Bureau

Immediate revocation of two Civilian Production Administration orders dealing with cotton and burlap bags, and elimination of other bag provisions in a third order, was recommended jointly by the New Textile Bag Manufacturers and the Burlap Importing and Bag Manufacturers Industry Advisory Committees at a meeting with the Civilian Production Administration.

The committees asked for revocation of Order M-221, which controls the manufacture, delivery, and use of textile bags, and Order M-47, which governs the sale and use of burlap imported from India. The committees also recommended elimination of bag set-asides from the cotton fabric distribution table in Order M317A. This table lists percentages of various fabrics, including material for bags, which must be produced by cotton mills.

Committee members said the industry could maintain an equitable distribution of bags under present conditions. They also said that with the recent revocation of Order L-99, the loom freeze order, it will be impos-

—*Continued on page 42*

A LADY LIKES TO LOOK HER BEST

In ancient Egypt a lady liked to look her best even when she journeyed into the land of the hereafter. Her purpose in looking lovely was her belief in physical immortality. Preservation of personal appearance was important—and led to the practice of wrapping the body in linen and coating it with resin.

Coating materials have come a long way since the days of the mummy. The scientific finishes developed in today's laboratories would have dumbfounded the ancient world. Nitrocellulose lacquer is one of these.

CSC has contributed to this development of surface coatings by working out better methods of application. An example is the hot-lacquer process—the application of lacquers at elevated temperatures as a means of lowering their viscosities. This makes possible the application of lacquers in half the number of coats required with the older methods. It cuts production costs by cutting corners in the finishing room—saves labor and time, speeds delivery. It's another advance "born" in CSC laboratories.

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Cyanogen Bromide

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials.)

Miscellaneous—As a poison gas in warfare or maintenance of peace and order.

Diethyl-(2-bromodelta²-cyclopentenyl) Allylmalonate

Pharmaceutical — New compound claimed (U.S. 2228256) to possess chemotherapeutic interest.

2:4:6-Dimethylbutylphenol

Petroleum—Antioxidant (U.S. 2257869, 2257870, 2257871, and 2257872) in insulating oils (used in conjunction with small amounts of normal tetrahydrofurfuryl - para - aminophenol or trithiophenyl phosphate).

Gold Stearate

Ceramic—Pigment for decorating chinaware, porcelain, and pottery (applied dissolved in naphtha; when fired, the metal is left behind as a very thin deposit).

Sodium Rhodizonate

Analytical—Reagent used in detecting barium, barium in the presence of strontium, barium and strontium in the carbonate precipitate of the alkaline earth metals, lead in dilute solutions, in the presence of ions that otherwise interfere, in ores, minerals, and alloys, pigments, glass, and other products; strontium, strontium in the presence of barium; sulphate radicle.

Strontium-Gold Keratinate

Pharmaceutical—Toxic agent (U.S. 2197795) for pneumococci.

Triethylenetetramine

(Additional uses—supplementary to those in the book, Uses and Applications of Chemicals and Related Materials.)

Petroleum—Starting point (U.S. 2250176, 2250404, 2250405, 2250406, 2250407, 2250408, and 2251393) in making de-emulsifying agents (breakers) for petroleum emulsions of the water-in-oil type, by reacting with blown castor oil, castor oil, erucic acid, oleic acid, rapeseed oil, soybean oil, stearic acid, tung oil, unsaturated fatty acids having 8 to 32 carbon atoms.

Zinc 2:2′-Dihydroxy-3:5:3′:5′-tetramethylphenylsulphide

Lubricant—Inhibitor (U.S. 2249626) of corrosive effects and sludging effects by paraffinoid lubricating oils.

Cancer Research Grants Total $225,000

OPD Washington Bureau

The National Advisory Cancer Council has approved applications for $225,000 in grants-in-aid to twenty-one American universities, hospitals and research institutions. The grants are part of a program for enlarging cancer programs in medical school curricula.

Association Meetings

American Association of Textile Chemists and Colorists, Statler hotel, Boston, December 12-15.

American Council of Commercial Laboratories, Palmer house, Chicago, December 2-3.

American Fair Trade Council, Waldorf-Astoria hotel, New York, November 26.

American Pharmaceutical Manufacturers' Association, midyear meeting. Waldorf-Astoria hotel, New York, December 9-11.

Drug, Chemical and Allied Trades Section of New York Board of Trade, Drug & Chemical Club, New York, November 19.

National Association of Insecticide and Disinfectant Manufacturers, Commodore hotel, New York, December 2-4.

Society of Cosmetic chemists, Savoy Plaza hotel, New York, December 6.

Synthetic Organical Chemical Manufacturers Association, Roosevelt hotel, New York, December 17.

Nutrition Institute Offers Two Awards

The American Institute of Nutrition will make two awards for research at the annual meeting to be held in Chicago, May 18-22, 1947. The awards, for which nominations are now being sought, are the Mead Johnson & Co. 'B-Complex' award and the Borden Award in Nutrition.

American Chemical Society Activities

Dr. C. Edmund Marshall, professor of soils at the University of Missouri, has been elected chairman of the division of colloid chemistry of the American Chemical Society. He succeeds Dr. Geoffrey E. Cunningham of the Dollinger Corporation, Rochester, N. Y.

Other new officers of the division are:—Dr. Robert D. Vold, of the University of Southern California, vice-chairman, and Dr. W. O. Milligan of

Dr. C. E. Marshall

Rice Institute, Houston, Tex., secretary-treasurer. Dr. E. A. Hauser, of Massachusetts Institute of Technology, and Dr. M. W. Tamele of the Shell Development Company, Emeryville, Calif., were named to the division's executive committee. Dr. J. W. Williams, of the University of Wisconsin, Madison, was appointed chairman of the symposium committee.

Dr. Wendell M. Moyer, director of

—Continued on page 59

Advisor to UN Group

Professor W. Albert Noyes, jr., chairman of the department of chemistry in the University of Rochester and president-elect of the American Chemical Society, has been appointed advisor to the United States delegation to the first session of the general conference of the United Nations Educational, Scientific and Cultural Organization which opens in Paris November 19.

Mayo Foundation Gets APMA Scientific Award

The 1946 scientific award of the American Pharmaceutical Manufacturers' Association, for a fundamental research contribution to public health in the field of the medical sciences, will be given to the Mayo Foundation for Medical Education and Research at the association's midyear meeting in the Waldorf-Astoria hotel, New York, December 9.

The presentation will be made by Dr. Isaiah Bowman, president of John Hopkins University, who will address the gathering on "Contributions of Chemistry and Physics to Medicine." The acceptance address will be given by Dr. Donald C. Balfour, director of the Mayo Foundation for Medical Education and Research, who will discuss "Eras in Medical History."

Consulting Chemists To Meet January 29

The Association of Consulting Chemists and Chemical Engineers will meet at the Sheraton hotel, New York, on January 29. Feature of the meeting will be a symposium on "The Importance of the Consulting Chemist and Chemical Engineer in National Economy and Industrial Peace."

Drug Trade Conference Backs 4-Year Schooling

Its declaration that graduation from an accredited pharmacal school giving a course of not less than four years and a B.S. degree should be the minimum prerequisite for examination and licensing in the practice of pharmacy was unanimously reaffirmed

Carson P. Frailey
Reelected President

by the National Drug Trade Conference in its annual meeting in Washington, November 8.

The conference also voted its opposition to the appointment of any person without at least a B.S. degree in pharmacy to any governmental position in which pharmacal service was to be performed.

Further with respect of matters of education, the conference asked the American Foundation for Pharmaceutical Education to make a thorough study of the possibilities of establishing a graduate school in pharmacy to rank on a par with similar institutions in other fields. It also asked the foundation to consider a policy of limiting its annual appropriations to 50 percent of its receipts for the period until its reserve had reached $5,000,000, and of maintaining

—Continued on page 60

SOCMA Discusses Tariffs and Labor

The advantages and disadvantages of the State Department's proposal to break down trade barriers through international agreement were studied at the monthly meeting of the Synthetic Organic Chemical Manufacturers' Association, held at the Murray Hill hotel, New York, November 13.

Dr. Elvin H. Kilheffer, of E. I. du Pont de Nemours & Co., Wilmington, Del., who discussed the outlook for the tariff situation, voiced the opinion that a big field existed for constructive work by an international trade body, if the activities of such a group do not lead to a mass of commodity agreements which are actually inter-governmental cartels.

Members were reminded that the State Department will conduct hearings on the proposed tariff changes and that the closing date for application to be heard and for filing briefs is December 21. Hearings will start January 13.

Another speaker, Dr. Harold L. Simons, of Harold L. Simons Company, reported that questions had been raised regarding the proposed clearing house for labor relations data and expressed doubt that such a file could be kept up to date at all times.

The membership voted that the monthly meetings in 1947 be held on the second Wednesday of each month, with the exception of the holiday, February 12, when the meeting would be held the following day.

Navy Dept. to Form Medical Science Corps

The Navy Department has requested Congressional legislation for a Medical Allied Science Corps. Naval Reserve and temporary regular officers holding doctor's degrees in specialized field related to the medical profession may apply for transfer to the projected corps.

German Research Reports

A series-type cell for producing chlorine commercially was developed during the war by the I. G. Farbenindustrie at Bitterfeld, Germany, according to a report now on sale by the Office of Technical Services, Department of Commerce. The cell electrolyzed hydrochloric acid obtained as a by-product from an organic chloride manufacturing process.

Prepared by Dr. William C. Gardner, an investigator for OTS' Technical Industrial Intelligence Division, the report describes the cell and its operation in sufficient detail so that American technicians can evaluate its use.

The cell, similar in construction to a filter press, contains 30 unit cells in series. It operates at 1,000 amperes and 2.3 volts per unit cell. A bipolar graphite slab set in a Haveg frame forms the cathode. The anode consists of fine graphite particles held between a bipolar graphite slab and a diaphragm of polyvinyl chloride cloth. The particles are replenished about every three months.

Hydrochloric acid of 32 percent strength enters the cell at room temperature and leaves it, diluted to 10 percent, at 80-90 degrees centigrade. It flows through the cell units by way of canals in the connecting walls. The chlorine is drawn off through similar canals near the top of one side wall, and the hydrogen, through the top of the other side wall.

Both the chlorine and the hydrogen must be washed with water to remove any residual hydrochloric acid. Cleaned chlorine contained only 0.1 percent acid and 0.2-0.4 percent carbon dioxide, according to the report.

The cell was operated for about fourteen months at the Wolfen plant of I. G. Farbenindustrie. The polyvinyl chloride diaphragm showed no wear, and the Haveg frames, despite some spalling and efflorescing, were in satisfactory condition, the report states.

Orders for the report ("Hydrochloric Acid Electrolysis at Wolfen"; PB-33219; photostat, $1; microfilm, $1) should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by check or money order payable to the Treasurer of the United States.

German Chemicals Probe Expansion Recommended

A recommendation that the American chemicals industry send more experts to Germany to investigate German products and processes not yet fully studied has been made by John C. Green, Director of the Office of Technical Services, Department of Commerce.

Mr. Green pointed out that the possible signing of a peace treaty and the return to more normal conditions in Germany will probably mean that German industry will eventually be closed to American investigation. He urged that American firms play safe and plan to complete all necessary studies within the next six months.

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Current Market Quotations Chemicals and Related Materials

November 14, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).
Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .59
Acetanilide, tech., cryst., powd., bbls..lb. .34 - .35
USP, cryst., powd., bbls., 2,000-lb. lots..lb. .40 - .41
smaller lots.....lb. .41 - .42
Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .12 - —
Acetoacetanilide, bbls., dms....lb. .627 - .7000
Acetone, CP, dms., c.l., divd..lb. .08 - —
l.c.l., divd..lb. .08½- —
tanks, divd. .....lb. .07 - —
Methyl (see M).
Acetonitrile, dms., c.l., works.lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works.lb. .50 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.50 - 1.75
Acetyl chloride, cbys., works.lb. .60 - —
Acid, abietic, doms., c.l., wks..lb. .07½- —
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.66
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.98
80%, bbls.....100 lbs. 7.47 - 7.73
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., C.P., dms., works..100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks ... .100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works....100 lbs. 6.93 - 7.25
USP, dms., works.100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).
Acetylsalicylic, special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb. lots..lb. .42 - —
smaller lots.....lb. .46 - .59
standard USP, fine cryst., gran. (30-40 mesh), powd. (80 mesh), bbls., same basis, lb. .49 - .54

Freight equal'd, shipment identical quantity over standard routes, from N Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Aminoacetic, USP, cryst., powd., bbls., frt. adjusted.lb. 1.25 - 1.30
Anthranilic, resub., bbls....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous, tech. (see Arsenic, white).
USP, powd., dms., kgs....lb. .20 - .22
Ascorbic, USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.25 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works.. 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.05
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .42 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up..lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .56 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59
Betaoxynaphthoic, bbls., works. lb. .95 - —
Boric, tech., 99.5% cryst. (same as prices for powder). gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Broener's, bb'....lb. 1.11 - —
Acid, cacodylic, bots. .....lb.13.50 -14.50
Camphoric, cns. .....lb. No stocks
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., rct. dms.....lb. No stocks
Castor oil, split, ret. dms...lb. .09 - —
Chlorosulphonic, dms., c.l., works..lb. .06 - —
l.c.l., works .....lb. .06½- .06½
tanks, works .....lb. .05½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.50
Citric, anhyd., gran., dms., c.l..lb. .23½- —
l.c.l., 10,000 lbs. 1 ship't. lb. .23 - —
smaller lots, bbls. .....lb. .23 - —
dms. .....lb. .25½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs., 1 ship't. lb. .20½- —
smaller lots, bbls. .....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls. .....lb. .65 - —
Coconut oil, dist., dms.....lb. No prices
Corn oil, s.d., dms., c.l., wks. lb. No prices
Cottonseed oil, s.d., dms., c.l. lb. No prices
tanks, divd. .....lb. No prices
Cresylic dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-208°), and special blends, dms., c.l., works, frt. equald..gal. .81 - .90
l.c.l., same basis....gal. .83 - .92
tanks .....gal. .75 - .90
Petroleum, heavy grade (247°-266°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref. gal. .616 - —
1-19, Cal., ref....gal. .510 - —
Sewaren, N. J., ref. gal. .636 - —
tanks, divd.....gal. .566 - —
light grade (260°-240°), tanks, Cal. ref..gal. .600 - —
medium grade (220°-240°), dms., 20 Cal. ref.gal. .50 - —
Sewaren, N J., ref. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref. gal. .606 - —
tanks., divd. ....gal. .646 - —
Crotonic, bbls., Canadian, wks. lb. .25 - —
Dichlorophenoxyacetic, fib. dms., c.l., works..lb. .80 - —
l.c.l., works.....lb. .85 - .95
Diethylbarbituric (see Barbital).
F (see Acid, monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - .11½
Fumaric, tech., bbls., dms..lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .95 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms., lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 46%, cbys., same basis, lb. .45 - —
34%, cbys., same basis.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .90 - .40
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works..lb. .08 - .09
48%, rubber dms., works..lb. .12 - —
52%, rubber dms., works..lb. .12½- —
60%, rubber dms., works..lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .06 - .09
Hydroxyacetic, 70% tech., bbls., non-return, Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .085 - —
Hypophosphorous, USP, djns., lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼- .24½
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14½- .15½
80%, bbls., cbys., 5 or less, lb. .26 - .26½
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .82 - .85
Acid, Laurent's, bbls.....lb. .45 - —
Lauric, dist., 85%, dms.....lb. No prices
60%, dms. .....lb. No prices
Linseed oil, light, dms.....lb. No prices
Metal, electrolytic.....lb. .17½- —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000-lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0065- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys., extra....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms..... No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10½- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12½- —
tanks, works.....lb. .12 - —
Nicotinic, USP, dms., works... kilo. 6.00 - 6.50
Nicotinic amide (see Nicotinamide).
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 23, E. works..100 lbs. 5.25 - —
10 to 24, works..100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., ca., extra...lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., ca., extra...lb. .13½- —
Oleic (see Oil, Red).
Oleum (see Acid, sulphuric, fuming).
Oxalic, bbls., c.l., works....lb. .11¾- .12¼
10,000 lbs.....lb. .12 - .12½
smaller lots.....lb. .13 - .13½
Palm oil,[5] white, dist., dms..lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil, s.d., tanks, works. lb. No prices
Phenylacetic, bots. .....lb. 1.60 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld.. 100 lbs. 5.25 - 7.25
tankwagon, divd. N Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald....100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs. 4.00 - 4.25
tankwagon, divd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys. .....lb. .13 - —
70-lb. cbys. .....lb. .10½- —
20 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns..lb. .07 - .07½
Picramic, kgs. .....lb. .65 - .70
Picric, bbls. .....lb. .35 - —
Propionic, synth., pure, dms., works..lb. .19½- —
tanks, works .....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.02
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms. .....lb. 2.60 - 2.65
Pyroligneous, dms., ex whse. gal. .29 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic, tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .43
USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots .....lb. .36 - .44
Sebacic, tech., dms., c.l., works, lb. No stocks
Soybean oil, s.d., dms., works. lb. No prices
tanks, works.....lb. No prices
Stearic, double pressed, bgs..lb. .33½- .34½
single pressed, bgs.....lb. .33 - .34
triple pressed, bgs.....lb. .36½- .37½
Succinic, bbls. .....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....100 lbs. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.. 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, consumers cbys., extra..lb. .08 - —
9-lb. bots., ea. extra..lb. .10 - —
dealers, cbys. extra....lb. .06½- —
9-lb. bots., ea. extra..lb. .08½- —
fuming, 20%, tanks, E. works. ton.19.50 - —
Oil, tannic, tech., bbls., dms..lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs.. lb. 1.33 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .54½- —
smaller lots, bbls..lb. .53 - —
kgs. .....lb. .58½- —
Thioglycolic, bbls., cbys., basis 100%..lb. 2.00 - 2.50
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.20
Tungstic, CP, 100-lb. pkgs...lb. 2.94 - 3.10
pure, 100-lb. kgs.....lb. 2.96 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.20 - 1.25
Aconitine, amorph., bots.....oz.32.00 -35.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -46.00
15-gr. vials.....vial. 1.00 - —
Acrylonitrile, dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .27½- —
tanks, works.....lb. .25 - —
Adeps lanae[1] USP, anhyd., cosmetic, dms., works.lb. .28 - .30
pharmaceutical, dms., works. lb. .26 - .28
Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —
Agaric, white, bls.....lb. 2.85 - 2.90
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg edible,[7] cryst., gran., bbls. lb. 1.80 - 1.90
powd., bbls. .....lb. 1.85 - 1.95
tech., cryst., bbls.....lb. 1.65 - 1.80
Alcohol, allyl, dms., c.l., divd.lb. .21 - —
l.c.l., divd.....lb. .21½- —
tankcars, divd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld., E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .90 - —
dms. .....lb. .85 - .90
Butyl, normal, ferment, Ill., Ind. prod., dms., c.l., frt. alld..lb. .261 - —
l.c.l., frt. alld. E....lb. .286 - —
tanks, frt. alld. E....lb. .263 - —
tankwagon, frt. alld..lb. .254 - —
other production, dms., c.l., frt. alld. E..lb. .21½- —
l.c.l., frt. alld E....lb. .23 - —
tanks, frt. alld. E....lb. .20½- —
synthetic, dms., c.l., frt. alld. E..lb. .15½- —
l.c.l., frt. alld. E.....lb. .16 - —
tanks, frt. alld. E.....lb. .14½- —
Normal butyl alcohol prices in West, ½c. per lb. higher.
secondary, dms., c.l., divd..lb. .09½- —
l.c.l., divd.....lb. .10 - —
tanks, divd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works....lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dem., CP., fiber etns., 1,000 lbs..lb. 1.75 - 1.80
smaller lots.....lb. 1.95 - 2.50
Cinnamic, bots.....lb. 3.00 - 3.25
Denatured,[7] CD14, dms., c.l., works, E..gal. .90 - —
l.c.l., works, E.....gal. .92 - .97
tanks, E., divd.....gal. .83 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .80½- —
l.c.l., works, E.....gal. .92½- .96½
tanks, E. works.....gal. .82½- —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .89 - —
l.c.l., works, E.....gal. .92 - .96
tanks, E. works.....gal. .82 - —
SD23G, dms., c.l., works.gal. .93½- —
l.c.l., works.....gal. .96½- 1.50
tanks, works.....gal. .86½- —
SD23H, dms., c.l.....gal. .89½- —
l.c.l., works, E.....gal. .92½- .96½
tanks, E. works.....gal. .82½- —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .90 - —
l.c.l., works, E.....gal. .94 - .99
tanks, E. works.....gal. .83 - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of 3D21 plus 1½c. per gal. denaturing charge.
Special solvent, dms., c.l., works, E..gal. .91½- —
l.c.l., works, E.....gal. .94½- .98½
tanks, E. works.....gal. .84½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., divd..lb. .11½- .14½
l.c.l., divd.....lb. .12 - .15
tanks, divd.....lb. .10½- .13½
tech., dms., c.l., divd.....lb. .11 - .13½
l.c.l., divd.....lb. .11½- .14
tanks, divd.....lb. .10 - .12½

Controls on Materials

Applications of CPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

3—General Limitation Order
4—General Preference Order
5—Conservation Order
6—Allocation
7—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l., works..gal.18.01 - —
l.c.l., works.....gal.18.03 -18.10
tanks .....gal.17.94 - —
absolute, dms., c.l., works.gal.18.06 - —
l.c.l., works.....gal.18.12 -18.17
tanks .....gal.18.01 - —
Ethylhexyl, dms., c.l., works.lb. .25 - —
l.c.l., works .....lb. .26 - —
tanks, works .....lb. .24 - —
Furfuryl, tech., cns., works.lb. .25 - —
dms., c.l., works.....lb. .22½- —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .19 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works..lb. .0650- —
tanks, works.....lb. .0700- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd..gal. .42½- .41
l.c.l., dlvd.....gal. .43½- .44
tanks, dlvd.....gal. .34 - .34½
99%, dms., incl., c.l., dlvd.. gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, dlvd.....gal. .37½- —
Methyl (see Methanol).
Methylamyl (see Carbinol methylisobutyl).
Octyl, perfumer's grade, bots.lb. 4.25 - —
Phenylethyl, dms.....lb. 2.90 - 2.75
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .65
Propyl, normal, dms., works.gal. .67 - —
smaller containers, works. gal. .62 - —
tanks, works.....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol, dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.30 - —
Alstria root, bgs.....lb. 2.25 - 2.00
Algarobilla, c.l., ex dock.... long ton.89.00 -93.50
Algarobilla price based on ocean frt. at $12 and $1 insurance per long ton.
Algin, bbls., 25 lb. dms.....lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet, root, bgs.....lb. .85 - .90
Allspice, Mexican, futures, bgs. lb. .32 - .39½
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd....lb. .12½- —
l.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .12½- —
Aloe, Cape, cs.....lb. .42 - .43
Curacao, kgs.....lb. .42 - .43
Socotrine, kgs.....lb. .47 - .49
Aloin, bbls. dms., kgs.....lb. 4.50 - 4.60
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls....lb. .32 - —
Alphanaphthylthiourea, fib. dms., works, frt. alld..lb. 4.00 - 4.40
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .25½
Alphapinene, from gum turpentine, dms., c.l., wks..gal. 1.02½- —
l.c.l., works.....gal. 1.04½- —
tanks, works.....gal. .99½- —
from steam-distilled wood turpentine, tanks, works..gal. .71½- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works.....lb. .1350- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .40 - .45
Alum, ammonia, bernt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works.... 100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phil..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, classified, grade, grd., kgs., works..lb. .85 - .97
top grade, ground, kgs., works. lb. .90 - .97
unclassified, ground, kgs., works..lb. .10½- .40
Acetate, basic solution, 24%, bbls., l.c.l., works..lb. .09½- .10
20%, bbls., l.c.l., works.lb. .08½- .09
Chloride, anhyd., com'l, dms., c.l., works..lb. .09 - .11
l.c.l., works .....lb. .09 - .12
cryst., com'l, dms., c.l., works. lb. .06 - —
l.c.l., works .....lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works .....lb. .03½- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-30° Be, bbls., c.l., works, f.o.b. equaled Phila. and Chi.lb. .09½- —
l.c.l., works, same basis. lb. .10 - —
Hydrate, heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works .....lb. .035 - .040
light, bgs., dlvd.....lb. .14½- —
bbls., dlvd. .....lb. .15 - —
Hydroxide, gel tech., min. 15% Al ($Al(OH)_3$), dms., 10,000 lbs. or more, f.o.b. ship't point..lb. .06 - .06¼
ten lots, same basis..lb. .06¼- .06½
smaller lots, same basis. lb. .03¾- .04
9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., wks..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .75 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .35 - .36
Naphthenate, 1.7% Al, 55-gal. dms., works..lb. .19 - —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .18½- —
Stearate, precip., ctn., c.l...lb. .42 - —
l.c.l. .....lb. .43 - —
Sulphate, com'l, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.20
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.80
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.40
l.c.l., works, frt. equald. 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works, 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).

Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
paste, lining, extra fine, 300-lb. dms..lb. .58 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .58 - —
powder, lining, extra fine, 150-lb. dms..lb. .60 - —
lithe, 150-lb. dms.....lb. .60 - —
standard, 200-lb. dms..lb. .62 - —
rubber comp., 200-lb. dms..lb. .62 - —
unpolished, stand., dms...lb. .58 - —
varnish, stand., 300-lb. dms.. lb. .62 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 20,000 lbs., and 4c. for 20,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .85 - .99
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia acetate, reagent, crystals, bbls..lb. .24 - —
purified, bbls.....lb. .32 - —
Anhydrous, fertilizer, tankcars, works, frt. equald..ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.61.50 - —
Aqua, 26°, cbys.....lb. .05¾- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt.alld..lb. .43 - —
smaller lots, frt. alld..lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1080- —
powd., bbls., kgs.....lb. .1150- —
Bromide, gran., NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms.lb. .08¼- .08½
cns. .....lb. .14¼- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride, bbls. .....lb. No stocks
Hydroxide (see Ammonia, aqua).
Hypophosphite, NF, dms.....lb. 1.25 - 1.37
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 2.71 - —
jars .....lb. 2.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[6] c.p., cryst., kgs.lb. 1.26 - 1.38
fine cryst., bbls., kgs....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.13
Nitrate, fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.42.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 4.80
bbls., works.....100 lbs. 4.55 - —
Nitrate - limestone, 20.5% N. bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dms. .....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .26¼
Phosphate, dibasic, NF V, bbls., kgs..lb. .27 - .29
tech., bgs., c.l., works..lb. .07 - —
l.c.l., works.....lb .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works...lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs...lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms...lb. .34 - —
paste, dms.....lb. .06¼- —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate, bulk, producing ovens..ton.30.00 - —
Sulphide, liquid, 40-45% basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .07¼- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 22%, cbys., works..lb. .06 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .57 - —
tech., bbls.....lb. .17 - .19
Thiocyanate (see Ammonia sulphocyanide).
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works.... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .17 Nom.
l.c.l., dlvd.....lb. .17½ Nom.
tanks, dlvd.....lb. .16 Nom.
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .191 - —
l.c.l., same basis.....lb. .201 - —
tanks, same basis.....lb. .181 - —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works....lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.72 - 1.88
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .85
Stearate, dms., works.....lb. .42 - .46½
Anethol, com'l, dms., works..lb. .657 - .662
NF, dms. .....lb. 2.00 - 2.45
Angelica dom. atropurpurea root, bls..lb. 1.30 - 1.40
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .34 - .35
Anilin oil, dms., c.l., works, frt. alld..lb. .12 - —
l.c.l., works, frt. alld...lb. .13 - —
tanks, works, frt. alld....lb. .11 - —
Salt, dms., works.....lb. .22 - .24
Anise, Argentine, bgs., afloat..lb. .45 - .46
Argentine, futures .....lb. .46 - .47
Chinese, star .....lb. .21½- .22
Cyprus, bgs. .....lb. .45 - .46
Mexican, bgs. .....lb. .49½ Nom.
Syrian, bgs., futures.....lb. .46 - .50
Turkish, bgs.....lb. No stocks

Anisic aldehyde, dms.....lb. 2.75 - —
cns., bots.....lb. 2.90 - 2.95
Annatto, paste, bgs.....lb. .34 - .39
Seed, bgs.....lb. .12¾- .13¾
Anthracene, 80-85%, bbls., works. lb. .55 - —
99%, bbls., works.....lb. .85 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[4] bulk, c.l., works....lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs...lb. .16½ Nom.
Chinese, black, 70%, cs....lb. .20 - .22
Oxide,[6] ceramic grade, bgs., c.l...lb. .17 - —
l.c.l. .....lb. .17½- —
paint grade, bgs., c.l.....lb. .17 - —
l.c.l. .....lb. .17½- —
Salt,[6] 65%, bgs., c.l., dlvd., E. of Miss. River..lb. No stocks
Sulphide,[6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.28.20 -32.70
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .17 - .18
Arecoline hydrobromide, bots..oz. 6.10 - 7.10
Argols, min. 70%, bgs., shipment port, 100 kilos (100% purity)..35.00 -36.00
Arnica flowers, bbls.....lb. 1.00 Nom.
Arrowroot, powd., bgs., bbls..lb. .12 - .16
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .05 - —
l.c.l. .....lb. .05¾- —
Asafetida, cs.....lb. .70 - .75
powd., bbls., dms.....lb. .94 - .96
Asbestine (see Talc, N. Y., fibrous).
Asbestos, fiber,[5] 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.32.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l. .....ton.41.40 - —
Cuba, A, bulk, c.l.....ton.60.00 - —
l.c.l. .....ton.90.00 - —
B, bulk, c.l.....ton.38.50 - —
l.c.l. .....ton.55.00 - —
Egyptian .....ton. No stocks
Gilsonite, brilliant black, selecta, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.30.50 - —
seconds, 300-320° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05¼- .12
process form, bgs., works..lb. .05¾- .12
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., f.o.b. Tampico, Mex.metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 9.85 - —
Sulphate, bots.....oz. 7.85 - —

B

Balm of Gilead buds, bgs.....lb. 2.25 - 2.50
Barbasco root (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms. .....lb. 3.50 - 3.60
sodium, dms. .....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.66.00 -70.00
l.c.l., works .....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works .....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .19 - .13
tech., cryst., bgs., c.l., works. ton.78.00 - —
l.c.l., works .....ton.78.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works .....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works .....lb. .12 - .13
Fluoride, bbls. .....lb. .18 Nom.
Hydrate, crystals, bbls.....lb. .06¾- .07½
Hydroxide, bbls., works.....lb. .15 - .16
Iodide, bots. .....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09¾- .11½
l.c.l., works .....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .11½- .12
l.c.l., works .....lb. .14 - .15
grd. dms., l.c.l., works....lb. .15 - .17
Peroxide (see Dioxide).
Silicofluoride, bbls. .....lb. .17 - .19
Stearate, ctns., 1 ton up....lb. .49 - —
smaller lots .....lb. .50 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls. .....lb. .09¾- .10
kgs. .....lb. .12 - —
Barytes, air-floated, paper bgs., c.l., St. Louis..ton.30.10 - —
l.c.l., same basis.....ton.31.10 - —
ex whse., N. Y.....ton.40.95 - —
Southern, off-color, bgs., mines. ton.18.37 - —
95.75%, bgs., mines.....ton.18.80 -19.00
Ore, approx. 94% $BaSO_4$, bulk, mines..ton. 8.50 -11.50
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 2.50 Nom.
Root, bls.....lb. 2.50 Nom.
Bentonite, 200 mesh, bgs., works. ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.20
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns. .....lb. 3.20 - 3.35
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Gate..gal. .15 - —
Benzophenone, dms. .....lb. 1.15 - 1.23
Benzoyl chloride, cbys.....lb. .25 - .28
Peroxide, pure, gran., 5lb. ctns., works..lb. .80 - 1.05

Benzyl acetate, f.f.c., cns.....lb. .22 - .72
dms. .....lb. .65 - .69
Alcohol (see Alcohol, benzyl).
Chloride, tech., cbys., works, frt. equald..lb. .20 - —
refined, cbys.....lb. .21 - —
Cinnamate, cns.....lb. 4.00 - 4.25
Formate, cns. .....lb. 2.10 - 2.70
Propionate, bots. .....lb. 1.80 - 2.25
Salicylate, bots.....lb. 1.00 - 1.25
Benzylidinacetone, bots.....lb. 2.00 - 2.70
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .50 - .55
Betanaphthol, resublimed, dms., works..lb. .86 - .99
tech., bbls., c.l., works....lb. .21 - —
l.c.l., works.....lb. .23 - —
Benzoate, fib. dms., works....lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works. lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.65 - —
95%, dms., works.....lb. 2.00 - —
98-99%, works.....lb. 2.60 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .45 - .50
Bismuth chloride, jars.....lb. 2.85 Nom.
Citrate, USP VIII, jars.....lb. 2.75 Nom.
Hydroxide, cns. .....lb. 3.35 Nom.
Metal, ton lots.....lb. 1.60 Nom.
Nitrate, cryst., cns.....lb. 1.30 Nom.
Oxychloride, cns., dms., kgs..lb. 3.10 Nom.
Subbenzoate, fib. dms.....lb. 3.40 Nom.
Subcarbonate, USP, bbls., dms. lb. 1.70 - 2.07
X-ray, fib. dms.....lb. 2.72 - —
Subgallate, NF, fib. dms....lb. 1.80 - 2.10
Subiodide, fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.53 - 1.54
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 Nom.
Sulphocarbolate, fib. dms....lb. 3.65 Nom.
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
Black, acetylene, bgs., c.l., works. lb. .14 - —
l.c.l., works.....lb. .15 - —
Bone 1A, bgs., bbls., c.l., frt. alld. dest..lb. .19 - —
1, bgs., bbls., c.l., same basis. lb. .18½- .16½
2 bgs., bbls., c.l., same basis. lb. .16 - .15½
3 bgs., bbls., c.l., same basis. lb. .14 - .14½
4, bgs., bbl., c.l., same basis. lb. .12 - .13
5, bgs., bbls., c.l., same basis. lb. .10½- .11
6, bgs., bbls., c.l., same basis. lb. .10½- .11
457, bgs., bbls., c.l., same basis..lb. .11¾- —
7, bgs., bbls., c.l., same basis. lb. .13½- .14
8, bgs., bbls., c.l., same basis. lb. .14½- .15
490A, bgs., bbls., c.l., same basis..lb. .08½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon, channel, compressed, beads, bulk, c.l., works. lb. .05¼- —
bgs., c.l., works.....lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dlvd. or whse.....lb. .0970- —
uncompressed, regular, bgs., c.l., works..lb. .06½- —
bgs., ctns., l.c.l. dlvd. or whse..lb. .1050- —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works..lb. .05¾- —
ctns., l.c.l., whse.....lb. .09 - —
Thermatonic, bgs., c.l., works, La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .09¼- —
Lamp, 1, ctns., c.l., works..lb. .08¼- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —
2A, ctns., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .20 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04½- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs .....lb. .06 - —
Black dyes (see Dyes).
Black haw root bark, bls.....lb. .32 - .34
Tree bark, bls.....lb. .35 - .40
Black Indian hemp root, bls...lb. .63 - .69
Blanc fixe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works, ton.40.00 - —
l.c.l., same basis....ton.46.00 - —
Bleaching powder,[3] dms., c.l., works..100 lbs. 2.80 - 3.10
l.c.l., works.....100 lbs. 3.75 - 4.00
Blood, dried, 16-16½% ammo., bgs..unit-ton.10.50 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton.10.50 - —
soluble, bgs., c.l., Chicago..lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .25 - .30
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - 1.90
toner bbls., same basis....lb. .25 - .30
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis..lb. .26 - —
Cobalt, genuine, bbls., same basis..lb. 4.00 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
60%, bbls., same basis..lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.90
Iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).

GLYCERINE SUBSTITUTE

●

We have on hand for immediate delivery 300,000 pounds of Dihydric Alcohol.

This is a glycol having a molecular weight of about 2200. It has a viscosity of 1400 in Saybolt seconds at 100° F. It is a pale amber liquid resembling glycerine. It weighs 9.11 pounds per gallon; has a tacky consistency and a characteristic odor.

This Dihydric Alcohol finds extensive application as an emulsifier, as a detergent, and as a plasticizer. This is a water soluble product and can be asterified. Samples on request.

PROPYLENE GLYCOL

To users of Dihydric Alcohol, we can furnish certain quantities of Propylene Glycol.

WILLIAM D. NEUBERG COMPANY

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE • NEW YORK 17, N. Y.

TELEPHONE LEXINGTON 2-3324

CABLE—"WILNEUBERG"

Blue, milori, bbls., same basis.. lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis. lb. 3.50 - —
tungstic .....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .45½- —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis.lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .39 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .15
regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls. .....lb. 3.30 - 3.55
ink toner, bbls., same basis. lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.96 - —
Violet toner, molybdic, bbls., same basis..lb. 1.24 - —
tungstic, kgs., same basis..lb. 2.10 - —

Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Blues dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.78

Bluestone, root, bls.....lb. No stocks
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate)
Bone, raw, bulk, Chicago....ton.57.00 -65.00
junk, bulk, same basis....ton.44.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.65.00 - —
Chicago, works....ton.75.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.70.00 - —
Chicago, works....ton.80.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works. ton.60.00 - —
Chicago, works....ton.60.00 - —
Phosphate, defluorinated (see D.).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls. .....lb. .16 - .17
Borage flowers, bls. .....lb. .60 - .62
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse....ton.56.00 - —
less ton lots, ex whse ton.61.00 - —
bbls., c.l., frt. alld....ton.55.00 - —
ton lots, ex whse....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld.. ton.50.00 - —
ton lots, ex whse....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld....ton.60.00 - —
ton lots, ex whse....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
(USP, $15 per ton higher
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb. .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).

Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis.lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 4.85 - 6.25
Bronze powder, aluminum (see A).
Gold, litho., 100-lb. cns., dms., works..lb. .50 - .60
gold, moulding, 100-lb. cans, dms., same basis..lb. .80 - 1.00
printing ink, 100-lb. cns., dms., same basis..lb. .95 - 1.10
radiator, 100-lb. cns., dms., same basis..lb. .60 - .65
Broomtop, bls.....lb. .24 - .25
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works.lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .06½- .08
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .09¾- .09¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .06 - .10
Umber, burnt, American, bbls., works..lb. .09¼- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05¼- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —

Brown, umber, Turkey-type, bbls., c.l., Los Angeles..lb. .05½- —
Portland, San Francisco, Seattle..lb. .05¼- —
ex whse., Los Angeles. lb. .05½- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works.lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .38 - .42
Sulphate, cns., 100 ozs.....oz. .32 - .34
Bryonia root, bls.....lb. .55 - .60
Buchu leaves, bls. .....lb. .80 - .85
Buckthorn bark, bls. .....lb. .45 - .46
Berries, bgs. .....lb. 1.00 - 1.10
Burdock root, bls.....lb. .55 - .65
Burgundy pitch, dom., dms...lb. .14 - .16
Butane, indust., tanks, Group 3. gal. .06½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .234 - —
l.c.l., same basis...lb. .239 - —
tanks, same basis...lb. .224 - —
tankwagon, same basis. lb. .229 - —
other production, dms., c.l., same basis..lb. .277 - —
l.c.l., same basis....lb. .282 - —
tanks, same basis....lb. .267 - —
synthetic, dms., c.l., same basis..lb. .15½- —
l.c.l., same basis..lb. .16 - —
tanks, same basis...lb. .14½- —
secondary, dms., c.l., divd. E. of Miss. R..lb. .09¼- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c. per lb. higher.
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works .....lb. .16½- —
tanks, works .....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works.....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works....lb. .24 - —
l.c.l., works .....lb. .24½- .25½
Phenylacetate, dms. .....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., divd.....lb. .16½- .17
tanks, divd. .....lb. .15½- —
Stearate, dms. .....lb. .31½- .35
Butyric ether, bots. .....lb. 6.50 - 6.90
cns., works .....lb. .65 - .70
dms., works .....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars .....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.28 - —
cns. .....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[5] ingots or sticks, divd. lb. 1.30 - 1.50
pat. shapes, cs., divd....lb. 1.35 - 1.55
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.05
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more, lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.57
Calabar beans, bgs., futures. lb. .65 - .66
Calamus root, natural, dom., bls. lb. .45 - .50
imported, bleached, bls..lb. .70 - .88
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., divd.... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, N.F., jars.....lb. .65 - .70
Carbide, dms., c.l., works..ton.50.00 - —
divd. .....ton.67.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., divd..ton.18.50 -38.00
l.c.l., divd.....ton.28.50 -51.05
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., divd. ton.18.00 -37.50
l.c.l., divd.....ton.28.00 -50.05
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .20 - .40
Gluconate, USP, gran., bbls.lb. .52 - —
dms. .....lb. .57 - .80
cns. .....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.40 - 1.60
Hypochlorite, dms., divd. E. of Rockies..lb. .22 - .26½
cans, in cases, same basis..lb. .3775- .4225
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls.....lb. .33 - .40
Laurate, bbls.....lb. .28 - .30
Mandelate, USP, dense, fluffy, works, dms..lb. 2.05 - 2.30
Naphthenate, 5% Ca, 50-gal. dms..lb. .25½- .26½
Panthothenate, doz., 100-gram bots, works..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs..... 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works. ...lb. .0645- .0690
Resinate, precip., 5.5% Ca, 100-lb. dms..lb. .13¼- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., cns., 2,000 lbs. to c.l., works..lb. .45 - —
l.c.l., works.....lb. .46 - —
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works...ton.50.00 - —
luminous, tins, works....lb. 1.25 - —
Sulphocarbolate, bbls. .....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½

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Calcium-strontium sulphide, phosphorescent, dms., works	lb.	1.00 - 1.50
fine particle size, works	lb.	1.50 - 1.75
Calendula flowers, bls.	lb.	1.15 - 1.20
Calomel, bbls., dms.	lb.	2.44 - 2.45
Camphor, natural	lb.	No stocks
synth., tech., contract, 2,000 lbs. or more, works	lb.	.42 - —
10 bbls. (1,500 lbs.)	lb.	.44½- —
5 to 9 bbls.	lb.	.45 - —
1 to 4 bbls.	lb.	.46 - —
smaller lots	lb.	.48 - .55
USP, gran., powd., bbls., 2,000-lb. lots	lb.	.69 - —
1,000-lb. lots	lb.	.70 - —
smaller lots	lb.	.71 - —
tablets, 2,000-lb. lots	lb.	.82 - —
1,000-lb. lots	lb.	.83 - —
smaller lots	lb.	.84 - —
Monobromated, dms.	lb.	3.20 - —
Canada balsam (see Fir balsam).		
Cantharides, Russian, bgs.	lb.	8.00 Nom.
Chinese, cs.	lb.	7.00 - 7.25
powd., bxs	lb.	7.50 - 7.75
Capsicum (see Pepper, red).		
Capsicum oleoresin, USP VII, cns.	lb.	4.50 - 4.65
Caramel coloring, bbls.	gal.	.70 - 1.10
Caraway seed, California, Dutch type	lb.	.23½- .26
Caraway seed, Danish, bgs.	lb.	.26 - .26½
Dutch, bgs.	lb.	.25¾- .26¼
futures, bgs.	lb.	.26 - .26¼
Spanish, dewhiskered, bgs.	lb.	No stocks
Swedish, bgs.	lb.	23¼- .24
Syrian, dewhiskered, bgs.	lb.	No stocks
Carbasole, 95%, dms., ton lots, works	lb.	.70 - —
smaller lots, works	lb.	.80 - —
85%, dms., ton lots, works	lb.	.75 - —
smaller lots, works	lb.	.85 - —
Carbinol, butyl, norm. dms., l.c.l., works	lb.	.27 - —
secondary, dms., l.c.l., works	lb.	.60 - —
Isobutyl, dms., c.l., works	lb.	.23½- —
l.c.l., works	lb.	.23¼- —
tanks, works	lb.	.21½- —
Methylisobutyl, dms., c.l., nearest delivery point buyer's works	lb.	.11¾- —
l.c.l., same basis	lb.	.12¼- —
tanks, same basis	lb.	.10¾- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss R., N. of Ohio R.	lb.	.05 - —
l.c.l., same basis	lb.	.05¾- —
5-gal. dms., c.l., same basis	lb.	.07 - .07½
l.c.l., same basis	lb.	.08 - .08¾
Dioxide, cyls.	lb.	.06 - .06
Tetrachloride, c.p., dms., c.l.	gal.	.96 - —
l.c.l.	gal.	1.04 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld.	gal.	.75 - —
l.c.l., frt. alld.	gal.	.80 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.10 - —
l.c.l., frt. alld.	gal.	1.20 - —
Zone 2, 52½-gal. dms., c.l., frt. alld.	gal.	.80 - —
l.c.l., frt. alld.	gal.	.97 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.04 - —
l.c.l., frt. alld.	gal.	1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld.	gal.	.90 - —
l.c.l., frt. alld.	gal.	.96 - —
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.13 - —
l.c.l., frt. alld.	gal.	1.23 - —
Zone 4, 52½-gal. dms., c.l.,	gal.	.79 - —
l.c.l., frt. alld.	gal.	.86 - —
5 or 10-gal. dms., c.l.	gal.	1.03 - —
l.c.l.	gal.	1.13 - —
USP, cbys.	lb.	.17 .19

Carbon tetrachloride prices are frt. alld with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans.; 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho, Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom, bleached, bold, cs.,	lb.	1.75 - 1.80
medium, cs.	lb.	1.55 - 1.60
decorticated, Guatemala, cs.	lb.	1.35 - 1.40
India, cs.	lb.	1.35 - 1.40
green, Alleppey, bgs.	lb.	1.05 - 1.10
Carotene, cryst., 1,850,000 A units per gm., tins, works, 1,000,000 units		.80 - —
research grade (alpha, 10%; beta, 90%), amps. 100 grams, dlvd.	gram	2.85 - —
50 grams, dlvd.	gram	2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works	lb.	37.60 - —
50,000 USP units per gm., bots., works.	lb.	8.42 - —
dms., works	lb.	7.08 - —
3,600 A units per gm., tins, works, 1,000,000 units		.55 - —
dms., works, 1,000,000 units		.50 - —
3,300 USP units per gm., dms., works.	lb.	.66 - .71
Carvol, bots.	lb.	14.75 -22.50
Cascara sagrada bark, bulk	lb.	.40 - .45
Case-hardening mixture, 30% gran., dms., l.c.l.	lb.	.09¾- —
slabs, dms., l.c.l.	lb.	08¾- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more, ship't point	lb.	No prices
2,000 lbs. or more, but under 10,000 lbs., same basis	lb.	No prices
less than 2,000 lbs., same basis	lb.	No prices
rennet-precip., 10,000 lbs. or more, same basis	lb.	No prices
2,000 lbs. or more, but under 10,000 lbs., same	lb.	No prices
less than 2,000 lbs.	lb.	No prices
imp., acid-precip., ground, bgs., 100 bgs. or more	lb.	No prices
rennet-precip., unground, 100 bgs. or more	lb.	No prices
Cassia, Batavia No. 1, Thinquill bls.	lb.	.60 Nom.
No. 1, regular, bls.	lb.	Nominal
shortstick, bls.	lb.	.50 Nom.
broken, bls.	lb.	.48 Nom.
China buds, bgs.	lb.	.36 - .37
Kwangsi, broken, bls.	lb.	.19 - .20
rolls, selected, cs.	lb.	.17 - .17½
extra select, broken, bls.	lb.	.14½- .15
Saigon, all medium, futures.	lb.	.45 - .46
4-10-4, bls.	lb.	.44 - .45
Cassia fistula, bakts.	lb.	.26 - .28
Castor bean, bgs., Brazilian ports,	long ton.	215.00 -225.00

Oil (see Oil, castor).

Pomace, bgs., c.l., works	unit-ton.	4.50 - —
Castoreum, nat., cns.	lb.	8.00 -13.00
synthetic, cns.	lb.	10.00 -21.00
Catechol, CP, cryst., works, fib. dms., frt. alld.	lb.	1.90 - —
resublimed, works, frt. alld., dms.	lb.	3.25 - —
Catnep, bls.	lb.	.60 - .65
Celery seed, French, bgs.	lb.	.50 Nom.
Indian, bgs.	lb.	.25 - .26

Celluloid scrap (see Pyroxylin scrap).

Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.30 - —
granules, ctns., same basis	lb.	.35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.45 - —
1,000-4,900 lbs., frt. alld.	lb.	.46 - —
50-lb. ctns., 100-900 lbs., frt. alld.	lb.	.47 - —
smaller pkgs., works	lb.	.48 - —
medium (15.5 or 17.0%), 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.43 - —
1,000-4,900 lbs., frt. alld.	lb.	.44 - —
100-900 lbs., frt. alld.	lb.	.45 - —
smaller pkgs., works	lb.	.46 - —
Granules are 5c. per lb. higher all quantities.		
Acetate-propionate, flake, high (51.5% propionyl content), 50-lb. ctns., 5,000 lbs. and up, frt. alld.	lb.	.45 - —
1,000-4,900 lbs., frt. alld.	lb.	.46 - —
100-900 lbs., frt. alld.	lb.	.47 - —
smaller pkgs., works	lb.	.48 - —
Granules are 5c. per lb. higher all quantities.		
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more	lb.	.30 - —

Cerium hydrate, dms., works	lb.	1.00 - —
Oxalate, NF, bbls., kgs., works	lb.	.50 - .52
Oxide, optical grade, kgs., 100-lb. lots, works	lb.	1.50 - —
bgs., smaller lots, works	lb.	2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., works	lb.	.02¾- —
paint and other industries, bgs., c.l., works	ton.	40.00 - —
papermakers, bgs., c.l., works	ton.	32.50 -40.00
rubbermakers, bgs., c.l., works	ton.	30.00 - —
Chamomile, Hungarian type, cs.,	lb.	.90 - .95
Roman, bls., futures	lb.	1.55 - 1.60
Charcoal, hardwood, lump, bulk, c.l., works	ton.	43.50 - —
bur, bgs., extra, returnable, c.l., works	ton.	45.50 - —
briquets, bulk, c.l., works	ton.	61.70 - —
bgs., c.l., works	ton.	66.70 - —
granular, all grades, bgs., works	ton.	58.50 -64.50
screenings, bgs., works	ton.	33.50 - —
Pinewood,[7] lump, bgs., c.l., Southern shipping point	ton.	20.00 -24.00
granular, powd., bgs., c.l., works, South	ton.	32.20 -34.20
l.c.l., works	ton.	41.00 - —
Willow, powd., bbls.	lb.	.06 - .07
Chestnut extract, standard 25% tannin, bbls., c.l., works.	100 lbs.	3.82 - 4.00
l.c.l., works	100 lbs.	4.07 - 4.85
tanks, works	100 lbs.	3.22 - 4.00
powdered, 65% tannin, bags extra, c.l., works	100 lbs.	9.02 - 9.96
l.c.l., works	100 lbs.	9.77 -10.71
Chillies (see Pepper, Red).		

China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works	ton.	9.50 - —
l.c.l., works	ton.	16.00 - —
bulk, c.l., works	ton.	7.00 - —
200 mesh, bgs., c.l., works	ton.	8.50 - —
l.c.l., works	ton.	9.50 -13.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works	ton.	9.50 - —
paper bgs., c.l., works	ton.	12.50 - —
imported, white, lump, bulk, c.l., ex dock Baltimore, Norfolk, Phila.	ton.	19.00 -21.00
powd., cks., l.c.l., ex whse.	ton.	41.00 - —
Chloral hydrate, jars	lb.	.93 - .98
dms.	lb.	.90 - .95
Chlorinated rubber, standard, ctns., 100 lbs. up, works	lb.	.32 - —
smaller lots, works	lb.	.35 - —
1-lb. bots., ex whse.	lb.	1.35 - —
Chlorine, liquid, cyls., c.l.	lb.	.05½- —
contracts	lb.	.05¼- —
l.c.l.	lb.	.07¾- —
tanks, single units, works, frt. equald.	100 lbs.	1.75 - —
multiple units, 3 or over, works, frt. equald.	100 lbs.	2.00 - —
2, wks., frt. equald.	100 lbs.	2.50 - —
1, wks., frt. equald.	100 lbs.	3.00 - —

Open market prices are 5 percent higher.

Chloroform, tech., dms.	lb.	.20 - .23
USP, dms.	lb.	.30 - .33
Chloropicrin, com'l, 100 lb. cyl., 100-lb. cyls., same basis	lb.	.82 - —
25-lb. cyls., ex whse.	lb.	1.00 - —
1-lb. bots., ex whse.	lb.	1.25 - —
Choline chloride, fib. dms., works	lb.	3.00 - 3.10
Dihydrogen citrate, fib. dms., works	lb.	3.00 - 3.10

Spot Deliveries

GUM ARABIC Clean Amber Sorts
Sphinx Brand

RESORCINOL U.S.P. Recrystallized
BENZYL CINNAMATE
CINNAMIC ACID
PHOSPHORIC ACID 75% Edible Food Grade
PHOSPHORIC ACID U.S.P. Syrupy
MAGNESIUM METAL POWDER High Purity
HEAVY CALCINED MAGNESIA White
CALCIUM CARBIDE 14 N.D.
BORIC ACID
PHOSPHORUS Red Amorphous
SODIUM HYDROSULPHITE
SODIUM PERBORATE U.S.P.
COPPER SULPHATE

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Chrome acetate, powd., 26% Cr., lbs., works..lb. .32 - .34
ton lots, works..lb. .30 - .32
soln., 7½%, bbls., cs.....lb. .09½- —
8½%, bbls., cs.....lb. .09¾- —
Fluoride, bbls., works.....lb. .34 - .37
Cake, bulk, c.l., works.....ton.16.00 - —
Oxide (see Green, chromic oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, beta.....lb. 6.02 - 6.60
Cinchona bark,[5] red, quill, USP, 16 in., cas..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cas., 100 cns..oz. No prices
Cinchonine[6] small, cryst., cas., 100 cns..oz. No prices
large, cryst., cas., 100 cns..oz. No prices
Sulphate, NF, cns., 100 cns..oz. No prices
Cinchopon, NF, heavy, dms., works..lb. 2.70 - 2.80
standard, dms., works.....lb. 2.50 - 2.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .83 - 1.25
Cinnamon, Ceylon, No. 2, bls..lb. No stocks
Citral, bots., cns.....lb. 7.25 - 9.65
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. 9.00 -12.50
Clove, Madagascar, bls.....lb. .13¾- .13¾
futures, bls.....lb. .13¾- .14¼
Zanzibar, bls.....lb. .15¾- .16
futures, bls.....lb. .12¾- .13¼
Clover tops, red, dom., bgs....lb. .70 - .75
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 6.75 - —
tanks, works .....gal. .07½- .08½
refd., 50-gal., bbls., c.l., works, bbl. 8.75 - —
l.c.l., works .....bbl. 9.25 - —
tanks, works .....gal. .08½- .09½
water-gas, crude, 50-gal. dms., c.l., works..bbl. 8.25 - —
l.c.l., works .....bbl. 8.75 - —
refd., 50-gal. dms., c.l., works, dm. 8.75 - —
l.c.l., works .....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .88¾- —
feed grade, 28½% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.50 - —
feed grade, 49½% Co, kgs..lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.8% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 8%, dms...lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.8% Co, 100-lb. dms..lb. .39½- —
Soyate, 3%-3.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[9] dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .48
Cocoa butter, bulk, ship. pt...lb. .38 - —
Cocillana bark, bgs.....lb. .53 - .54
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.60 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .24 - .25
blue, bls.....lb. .24 - .25
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns.....lb. .23 - .29½
Flexible, USP, dms.....lb. .21 - .22
cns.....lb. .25 - .31
Colocynth pulp, bls.....lb. .52 - .59
Colombo root, bls.....lb. .14 - .15
Coltsfoot leaves, bgs.....lb. .57 - .60
Condurango bark, bgs., futures, lb. .25 - .26
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .95 - 1.00
Copper acetate, cupric, bbls., works..lb. .25¼- —
smaller containers, wks..lb. .27 - —
Carbonate, 53-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22¼- .23
crystals, bbls.....lb. .14¾- .17
Cyanide, tech., bbls.....lb. .34 - .38
Hydrate, dms.....lb. .23¼- —
Iodide, bots.....lb. .84 - .88
Metal, electrolytic.....lb. .14¾- —
Naphthenate, 8% Cu, 50-gal. dms..lb. .19 - —
Nitrate, tech., cryst., bbls..lb. .19¼- .20½
Oleate, precip., bbls.....lb. .22½- .23½
Oxide, black, bbls., works...lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[4] bgs...lb. .17 - .20
bgs..lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .16¼- —
Stearate, bgs., works.....lb. .35½- —
Sulphate, 99%, cryst., bgs., c.l., works..100 lbs. 6.65 - —
l.c.l., 700 to 30,000 lbs.. 100 lbs. 6.80 - 7.15
monohydrated, dms., c.l., dlvd. 100 lbs. No prices
l.c.l., dlvd. .....100 lbs. No prices
tribasic, bgs., works, c.l...lb. .17¾- —
l.c.l., same basis.....lb. .18¼- —
Copperas, cryst., gran., bgs., c.l., works, tons.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[7] c.i.f. Pacific ports..ton.110.25 - —
c.i.f. Atlantic or Gulf ports.. ton.116.20 - —
Coriander seed, Argentine, bgs. lb. .06¼- .06⅝
Indian, bgs. .....lb. No stocks
Italian, bgs., if released....lb. .06¼- .06⅝
Morocco, bgs. .....lb. .06¼- .06⅝
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., 60,000 lbs. min. 100 lbs. 4.066 - —
bbls., c.l., same basis.... 100 lbs. 4.709 - —
Syrup, 42°, bbls., c.l....100 lbs. 4.837 - —
l.c.l. .....100 lbs. 4.937 - —
Corrosive sublimate,[8] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .40 - .45
Cottonseed hull ash, 32-35% potash, bgs., dlvd..unit-ton. 1.25 - —
Meal, 41% protein, bulk, mills, c.l..ton.90.00 - —
Coumarin, cns., 5 lbs. or more. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .90
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .46¼- —
smaller lots, bbls., kgs., tn. .46 - .46¼
Creosote carbonate, beta., cbys., lb. 2.10 - 2.80
Coaltar (see Cresol).
Oil, coaltar, crude, tanks, works..gal. .15½- .16⅝
refined, dms., c.l., works, gal. .247 - .265
l.c.l., same basis....gal. .26 - .31
tanks, same basis....gal. .18 - .19½
solution, tanks, works....gal. .141 - .149
Wood, beech, beta., cbys.....lb. .85 - 1.04
Hardwood, N.F., bots., cbys.lb. .60 - .77
Pine, dms.....gal. .31 - .33
Cresol, special resin grades, dms., c.l., works, frt. equald. lb. .10¼- .11¼
l.c.l., same basis.....lb. .10⅝- .12⅝
tanks, same basis.....lb. .09¾- .11½
USP, dms., c.l., same basis..lb. .11¼- .12¼
l.c.l., same basis.....lb. .11¾- .14
tanks, same basis.....lb. .10½- .12⅝
Croton aldehyde, 91-93%, 55 and 110 gal. dms., l.c.l., works lb. .12½- —
5 and 10-gal. dms., l.c.l. works..lb. .17 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss R..lb. .08½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .45 - —
4% rotenone, bbls., works..lb. .38 - —
Cubeb berries, XX, bgs.....lb. 1.35 - 1.36
powd., cs. .....lb. 1.45 - 1.46
Culvers root, bls.....lb. .40 - .45
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .44 - .45
Morocco, bgs. .....lb. .45 - .46
Persian, bgs., futures.....lb. .44 - .45
Syrian, bgs., futures.....lb. .44 - .45
Cutch, bgs. .....lb. No stocks
Cyanamide[6] fertilizer mixing grades, guaranteed 20.6% N., gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.53½- —
Cyclohexane, tech., dms., c.l., works..lb. .10¼- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 90%-100%, dms., works..lb. .21 - .28
Cyclohexanone, 97½% min. dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls, dlvd., gal. .37 - —

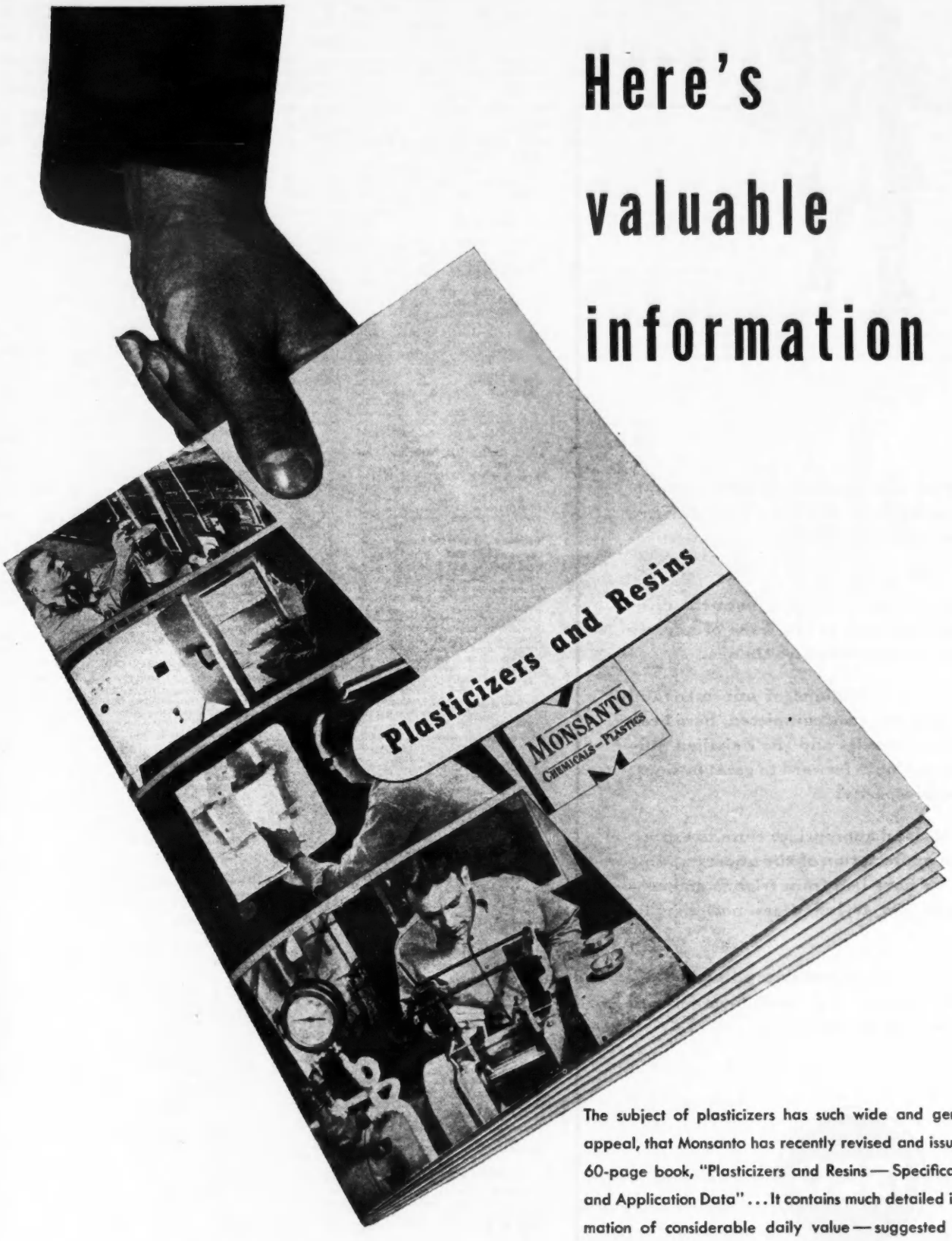
D

Damiana leaves, bls.....lb. .35 - .40
Dandelion root, bls.....lb. .75 - .80
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works...lb. .53 - .60
Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls. .....lb. .34 - .35
Defluorinated phosphate, paper bgs., works..ton.35.75 - —
Degras, common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .22 - .24
over 2% ffa, bbls.....lb. .21 - .23
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l. 100 lbs. 5.851 - —
l.c.l. .....100 lbs. 5.951 - —
Chicago, bgs., c.l....100 lbs. 5.45 - —
Corn, canary, bgs., c.l..100 lbs. 5.591 - —
l.c.l. .....100 lbs. 5.691 - —
Chicago, bgs., c.l..100 lbs. 5.19 - —
dark, bgs., c.l.....100 lbs. 5.691 - —
l.c.l. .....100 lbs. 5.791 - —
Chicago, bgs., c.l..100 lbs. 5.29 - —
white, bgs., c.l.....100 lbs. 5.441 - —
l.c.l. .....100 lbs. 5.541 - —
Chicago, bgs., c.l..100 lbs. 5.041 - —
Dextrin prices above are for paper bags; cotton bags quoted 20c. higher.
Potato, dom., bgs., c.l.....lb. .10 - .10¼
l.c.l. .....lb. .10¼- .11
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.20 - 5.55
laboratory grade, bots. ..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate, dms., tanks.....lb. No prices
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific coast. ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic fied, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 -90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l. .....lb. .04 - —
Dibutyl phthalate, 5-gal. cns., works..lb. .2040- —
1-gal. cns., works.....lb. .2240- —
dms., c.l., works.....lb. .2590- —
l.c.l., works.....lb. .2640- —
tanks, works.....lb. .2490- —
Sebacate,[3] dms., c.l., works..lb. .3570- —
l.c.l., works.....lb. .3620- —
tanks, works.....lb. .3470- —
Tartrate, dms., works, frt. alld. lb. .93 - 1.02
Dibutylamine, dms., c.l., works.. lb. .65 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms..lb. .3535- —
refd., 99%, dms.....lb. .80 - —
Oxalate, dms., c.l., dlvd.....lb. .29¼- —
l.c.l., dlvd. .....lb. .31 - —
Phthalate,[3] dms., c.l., dlvd..lb. .28 - .33
tanks, dlvd. .....lb. .27 - .37
Sulphate, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .54 - —
l.c.l., works.....lb. .56 - —
tanks, works.....lb. .50 - —
Diethylaminoethanol, dms l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Diethyleneglycol monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., whs. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.05 - 1.15
Digiycol laurate, dms.....lb. .81 - .82
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .23 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met..lb. .95 - 1.60
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms. works. lb. .19 - —
Dillseed, decorticated, bgs.....lb. .14½- .15
dewhiskered, bgs. .....lb. .16½- .17
Dimethyl phathalate, dms., c.l., dlvd..lb. .20 - —
l.c.l., dlvd.....lb. .20½- —
tanks, dlvd.....lb. .19 - —
Dimethylene, anhyd., cyl., frt. alld. E. of Miss., 100% basis. lb. .37½- —
solution, dms., works, frt. alld. E. of Miss., 100% basis..lb. .37 - .47½
tanks, same basis.....lb. .36 - —
Dimethylanilin, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .19 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .06 - —
Diorthotolylguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, destructive dist., dms., dlvd. E..gal. .55 - —
tanks, dlvd. E.....gal. .75 - —
steam dist., dms.....gal. .50 - —
tanks, dlvd. E.....gal. .77 - —
Diphenyl,[6] bbls., c.l., works...lb. .12 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .51
dms. .....lb. .45 - .50
Diphenylamine, bbls.....lb. .32 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi, 42% tannin, c.l., U.S. ports, ex dock..ton.68.00 -70.00
32% tannin, c.l., same basis.. ton.68.00 -69.00
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .48 - .50
Dogwood, Jamaica, bark, bls..lb. .12 - .14
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs..... .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns....lb.13.00 - —
Green, FD&C, No. 1 cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.90 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1 cns..lb. 5.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics), 1-lb. lots—
Black, D&C, No. 1, cns....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 5, cns....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.35 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb.15.35 - —
Yellow, D&C, No. 7, cns....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.10.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 33, cns.....lb.12.35 - —
No. 37, cns.....lb.12.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics), 1-lb. lots—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb. .12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns .....lb.21.35 - —
No. 8, cns .....lb. 7.35 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns., lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet .....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste..lb. .85 - .90
189 Lake red R, powd....lb. 8.00 - 9.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .80 - .90
280 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .85 - .88
304 Paper yellow .....lb. .88 - .90
307 Fast cyanin black B.lb. .80 - .95
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .68 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.10
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .72
420 Direct brown M.....lb. .55 - .57
449 Benzo purpurin 4B...lb. .65 - .66
462 Benzo purpurin 10B..lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
512 Direct blue RD.....lb. .90 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .38 - .45
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .75
814 Direct fast yellow....lb. 2.00 - 2.25
945 Nigrosin (water soluble). lb. .35 - .50
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
1177 Indigo, 20%, paste....lb. .15 - .18
Benzo fast black L..lb. .50 - 1.00
Sulphur black.....lb. .30 - .35
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambezi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
885 Nigrosin derivatives..lb. .36 - .44
Blue—
7075 Alizarin astrol base..lb.15.00 - —
1073 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown, oil soluble.....lb. 1.15 - —
Green—
1078 Alizarin cyanin green base..lb. 5.00 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
680 Oil violet.....lb. .60 - —
749 Rhodamine B (oil pink). lb. 2.50 - —
1060 Anthraquinone, violet base..lb.*6.00 - —
Yellow—
16 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
720 Victoria blue B.....lb. 1.35 - —
861 Indulin .....lb. .87 - —
873 Methylene gray.....lb. 1.50 - —
900 New blue F.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1084 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .95 - —
Blue—
714 Patent blue A.....lb. 1.05 - 1.10
Brown—
231 Bismarck brown G...lb. .67 - .68
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R. lb. .66 - —
632 Bismarck brown R...lb. .67 - .68
793 Phosphin .....lb. 4.65 - —
Green—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
686 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .55 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green..lb. 2.00 - —
Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B.lb. .62 - —
151 Orange T.....lb. .31 - .33
161 Orange R.....lb. .34 - —
Red—
79 Ponceau R.....lb. .42 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .34 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX....lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .65 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
753 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.80 - —
841 Safranin .....lb. 1.45 - —
Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .90 - —
Yellow—
10 Naphthol yellow S.....lb. .32 - —
138 Metanil yellow.....lb. .54 - .56
636 Fast light yellow.....lb. 1.35 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrasin .....lb. .90 - —
655 Auramine .....lb. 1.27 - —
Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25-lb. lots and up, 5c. per lb. higher, sellers' works or warehouse).
Black—
864 Nigrosin .....lb. .36 - .44
Blue—
660 Indulin .....lb. .60 - .70
Brown—
331 Bismarck brown.....lb. 1.50 - —
Green—
637 Malachite green base..lb. 2.00 - —
Orange—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red—
677 Fuchsin, magenta, base.. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —
Yellow—
67 Amidoazotoluene yellow— lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS.....lb. 2.00 - —
Violet—
680 Methyl violet base.....lb. .85 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .70 - .75
Egg, albumen (see Albumen).
Yolk, dried, dom., bbls.....lb. 1.15 - 1.22
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .45 - .50
Elm bark, grinding, bls.....lb. .35 - .36
powd., bbls., bxs.....lb. .53 - .56
select, bndls.....lb. .55 - .56
Emetine hydrochloride, bots...oz.53.50 -54.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride, tins.....oz. .95 - 1.45
Sulphate, tins.....oz. .95 - 1.45
100 ozs..oz. .65 - —
synthetic, USP, anhydrous, bots. hydrous, bots., 100 oz..oz. .85 - —
Hydrochloride, tin, 100 ozs.oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots.. gram. .70 - .95
Epsom salt, tech., cryst., bgs., c.l..100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .03½- —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., l.c.l.100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —

Here's valuable information



The subject of plasticizers has such wide and general appeal, that Monsanto has recently revised and issued a 60-page book, "Plasticizers and Resins — Specifications and Application Data" . . . It contains much detailed information of considerable daily value — suggested uses, specifications, descriptions, tables, graphs, and various data on flash points, viscosities, pour points, solubilities . . . A copy will be sent promptly on request. Contact the nearest Monsanto District Office, or write: MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Cincinnati, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

Some Suggested Uses for Monsanto Plasticizers

Alkyd Resins • Benzyl Cellulose • Cellulose Acetate • Cellulose Acetobutyrate • Cellulose Acetopropionate • Chlorinated Rubber • Ethyl Cellulose Natural Resins • Neoprene • Nitrocellulose Phenolic Resins • Polystyrene • Polyvinyl Acetate Polyvinyl Butyral • Polyvinyl Chloride • Polyvinyl Formal • Protein Compounds (Soybean or Corn Protein, Casein, Glue) • Santolite Resins • Urea Formaldehyde Resins.

MONSANTO CHEMICALS
SERVING INDUSTRY WHICH SERVES MANKIND

Following that fine custom established three hundred and twenty-two years ago (1623) America will next week celebrate the festival of Thanksgiving.

Despite the shortages and readjustment difficulties that always come in the wake of war, we will have much for which to give thanks.

The war is over. Millions of our men and women, their glorious task completed, have been returned to their families and their civilian pursuits. Our country looks forward to great business and individual prosperity.

We think this is an appropriate time to express our very warm appreciation of the understanding and patience we have had from friends and customers through the trying years now happily ended.

With this fine spirit of understanding and cooperation, our country may well look forward with confidence to good times.

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BOSTON • CHICAGO • CINCINNATI

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Epsom salt, USP, cryst., bbls., c.l.	100 lbs.	2.10	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.35	—
smaller lots	100 lbs.	2.60	—
kgs., c.l.	100 lbs.	2.35	—
l.c.l., 5,000 lbs., 1 withdrawal	100 lbs.	2.60	—
kgs., smaller lots	100 lbs.	2.85	—

Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.

Ergot, USP, cns.	lb.	1.55	- 1.60
Eserine, bots.	oz.	No prices	
Sulphate, bots.	oz.	65.00	- —
Ether, acetic (see Ethyl acetate).			
Amyl (see Amyl ether).			
Butyl, l.c.l., dms., dlvd	lb.	.30	- —
Ethyl (see Ether, sulphuric).			
Nitrous, cons., bots., 100 lbs.	lb.	.98	- 1.16
Sulphuric, cons., dms.	lb.	.11	- .16
USP anesthesia, hospitals, 1-lb. cns.	lb.	.60	- .61
Synthetic, dms., c.l., frt. alld.	lb.	.14½	- —
l.c.l., same basis	lb.	.15½	- —
tanks, same basis	lb.	.12½	- —
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.1548	- —
l.c.l., frt. alld.	lb.	.1598	- —
tanks, frt. alld.	lb.	.1448	- —
95-98%, dms., c.l., frt. alld.	lb.	.1607	- —
l.c.l., frt. alld.	lb.	.1657	- —
tanks, frt. alld.	lb.	.1507	- —
99%, dms., c.l., frt. alld.	lb.	.1626	- —
l.c.l., frt. alld.	lb.	.1676	- —
tanks, frt. alld.	lb.	.1526	- —
N.F., dms.	lb.	.14½	- .15½
synthetic, 85-90%, dms., c.l., frt. alld.	lb.	.09½	- —
l.c.l., frt. alld.	lb.	.10	- —
tanks, frt. alld.	lb.	.06½	- —
95-98%, dms., c.l., frt. alld.	lb.	.09¾	- —
l.c.l., frt. alld.	lb.	.10¾	- —
tanks, frt. alld.	lb.	.06½	- —
Acetoacetate, dms., c.l., works.	lb.	.87½	- —
l.c.l., frt. alld.	lb.	.96	- —
Benzoate, bots.	lb.	.50	- .52
B-ethoxy propionate, dms., works.	lb.	.70	- —
Bromide, tech., dms.	lb.	.50	- .55
Carbamate, dms., dlvd. E.	lb.	.58	- —
Chloride, tech., dms.	lb.	.18	- .20
USP, bbls., cyl.	lb.	.20	- .22
Cinnamate, cns.	lb.	2.65	- 3.85
Formate, dms., Agnue, Calif.	lb.	.26	- .32
Iodide, bots.	lb.	3.50	- 3.60
Lactate, dms., works.	lb.	.33½	- .39½
Myristate, dms., works.	lb.	.55	- —
Oenanthate, dms.	lb.	1.10	- 1.15
Oleate, dms., l.c.l., works.	lb.	.47	- —
Oxalate, dms., frt. alld.	lb.	.33	- —
Silicate, dist. (see Tetraethyl orthosilicate).			
40% available SiO_2, dms., works.	lb.	.50	- —
Ethylcellulose, pkgs., 5,000 lbs. or more, works.	lb.	.70	- —
smaller lots, works	lb.	.52	- .60
Ethyldiethanolamine, dms., l.c.l., works.	lb.	.80	- —
Ethylene, dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.0942	- —
West of Rockies	lb.	.0991	- —
l.c.l., works, frt. alld. E. of Rockies	lb.	.0991	- —
West of Rockies	lb.	.0941	- —
tanks, frt. alld. E. of Rockies,	lb.	.0743	- —
West of Rockies	lb.	.0792	- —
Trichloride (see Trichloroethane).			
Ethyleneglycol, dms., c.l., frt. alld. in E.	lb.	.10	- —
l.c.l., same basis	lb.	.11	- —
tanks, same basis	lb.	.09	- —
Monobutylether, dms., c.l., wks.	lb.	.17½	- —
l.c.l., works	lb.	.18½	- —
tanks, works	lb.	.16½	- —
Monoethylether, dms., c.l., works	lb.	.15½	- —
l.c.l., works	lb.	.16½	- —
tanks, works	lb.	.14½	- —
Monoethylether acetate, dms., c.l., works.	lb.	.13½	- —
l.c.l., works	lb.	.14½	- —
tanks, works	lb.	.12½	- —
Monomethylether, dms., c.l., works.	lb.	.16½	- —
l.c.l., works	lb.	.17½	- —
tanks, works	lb.	.15½	- —
Ethylethanolamine, dms., c.l., wks.	lb.	.57	- —
l.c.l., works	lb.	.60	- —
Ethylmonoethanolamine, l.c.l. dms., works.	lb.	.80	- —
Ethylmorphine, hydrochloride, bots.	oz.	10.50	-10.75
Ethylvanillin, cns., 5 lbs. or more.	lb.	5.25	- —
smaller lots	lb.	5.30	- 5.40
Eucalyptol, cns., dms.	lb.	2.85	- 2.25
Eucalyptus leaves, bls.	lb.	.14	- .15
Eugenol, pure, USP XII.	lb.	2.60	- 3.50
Euphorbia, bls.	lb.	.20	- .22

F

Feldspar, enamel, 100 mesh	ton.	17.00	-20.50
bulk, c.l.	ton.	14.00	-17.50
glass, 20 mesh, bgs., works, min. 3 tons	ton.	12.75	-16.25
bulk, c.l.	ton.	9.75	-12.25
pottery, bgs., l.c.l., works, min. 2 tons	ton.	20.00	22.00
bulk, c.l., works	ton.	17.00	19.00
Fennel seed, Argentine, bgs., futures.	lb.	.15½	- .16
Indian, bgs., afloat	lb.	.15	- .15½
Fenugreek, domestic, futures, bgs., source.	lb.	.09	- .09¾
Indian, bgs.	lb.	.09	- .09¼
Morocco, bgs.	lb.	.09½	- .10
Ferric sulphate (see Iron sulphate, ferric).			
Film scrap, colored, cs., works.	lb.	.13½	- .15
water-white, cs., works	lb.	.14½	- .17
Fir balsam, Canada, cns.	gal.	20.00	-20.25
Oregon, bbls.	gal.	2.65	- 2.70
Fishberries, bgs.	lb.	.24	- .25
Fishliver oils (see Oil, fishliver).			
Fishmeal, grd., 60% protein, bgs., E. works.	ton.	155.00	- —
65% protein, bgs., E. works.	ton.	160.00	- —
Fishscrap, dried, 60% protein, bulk, East coast.	ton.	140.00	-150.00
Flake white, bbls.	lb.	.09	- —
kegs	lb.	.11	- —
Fleaseed, black, bgs.	lb.	.55	- .60
Blonde, bgs.	lb.	.31	- .33
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines, net	ton.	37.00	- —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines.	ton.	33.00	- —
65%, c.l., bulk, mines.	ton.	32.00	- —
60%, c.l., bulk, mines.	ton.	31.00	- —
less than 60%, c.l., bulk, mines.	ton.	30.00	- —
Formaldehyde, bbls., c.l., works.	lb.	.0520	- —
l.c.l., works	lb.	.0570	- —
dms., extra, c.l., works	lb.	.0460	- —
l.c.l., works	lb.	.0510	- —
tanks, works	lb.	.0320	- —
tanktrucks, dlvd., N.Y.C.	lb.	.0345	- —
Fringetree bark, bls.	lb.	.75	- .76
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines.	ton.	8.50	-15.00
Tex. mines	ton.	12.50	- —
spent, bulk, Bayonne	ton.	3.00	- —
imp., bgs., c.l.	ton.	30.00	-40.00
Furfural, ref., dms., c.l., works.	lb.	.15½	- —
cns., dms., l.c.l., works	lb.	.18½	- .25½
tech., dms., c.l., works	lb.	.13	- —
l.c.l., cns., dms.	lb.	.15½	- .20½
tanks, works	lb.	.09½	- —
Fustic extract, cryst., No. 1, bbls., l.c.l.	lb.	.35	- —
No. 1A, bbls., l.c.l.	lb.	.34	- —
No. 2, bbls., l.c.l.	lb.	.33	- —
No. 3, bbls., l.c.l.	lb.	.31	- —
liquid, No. 0, bbls., l.c.l.	lb.	.19	- —
No. 1, bbls., l.c.l.	lb.	.17½	- —
No. 2, bbls., l.c.l.	lb.	.16½	- —
No. 3, bbls., l.c.l.	lb.	.14	- —
solid, No. 1, bxs., l.c.l.	lb.	.20¾	- —

G

G salt, bbls.	lb.	.45	- —
Galangal root, bls., futures	lb.	.30	- .31
Gambier, cube, Singapore, cs.	lb.	No stocks	
Extract, bbls.	lb.	No stocks	
Gammapicoline 95%, dms., c.l., works.	lb.	1.35	- —
Gasoline, at refinery, ex tax Arkansas 73-75 octane, tanks.	gal.	.06⅞	- —
Bayonne, 74 octane, tanks,	gal.	.0780	- .09
Gulf Coast, 73-75 octane, tanks.	gal.	.06½	- .07⅛
Group 3, 73-75 octane, tanks.	gal.	.06¾	- .07
Pennsylvania, western, U. S. motor 74 octane, leaded, tanks.	gal.	.07½	- .08⅛
natural, 26/70 octane, Group 3, tanks.	gal.	.04	- —
Gelatin, silver label, ctns., dlvd.	lb.	.90	- .97
export, cs.	lb.	1.00	- —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.			
Gelsemium root, bls.	lb.	.35	- .40
Gentian root, bls.	lb.	.29	- .30
grd., bbls., bxs.	lb.	.35	- .36
powd., bbls., bxs.	lb.	.34	- .35
Geraniol, 92-96%, cns., dms.	lb.	No prices	
Geranyl acetate, cns.	lb.	3.50	- 5.27
Ginger, African, No. 1, bls.	lb.	.15½	- .16
Calicut, Romeo-type, bgs.	lb.	.16	- .16⅝
Cochin, bleached, bgs.	lb.	.16½	- .17
unbleached, bgs.	lb.	.15½	- .16
Jamaica, No. 1, bgs.	lb.	.23	- .23½
No. 2, bgs.	lb.	.16	- .16⅝
No. 3, bgs.	lb.	.15	- .15½
Rhattoon, bgs.	lb.	.14	- .14½
Glaubers salt, annyd. (see Soda sulphate).			
cryst., bgs., bbls., works, 100 lbs.		1.05	- 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest.	lb.	.16	- .23
30/56, bgs., c.l., same basis.	lb.	.15½	- .22½
55/82, bgs., c.l., same basis.	lb.	.17	- .24
82/108, bgs., c.l., same basis.	lb.	.18½	- .25½
Bone glue, l.c.l. prices 1c. higher than c.l.			
Hide, 100-121 (jelly test in grams), bgs., c.l., dlvd.	lb.	.14	- .21½
122-149, bgs., c.l., dlvd.	lb.	.15	- .22½
150-177, bgs., c.l., dlvd.	lb.	.16	- .23½
178-206, bgs., c.l., dlvd.	lb.	.17	- .24½
207-236, bgs., c.l., dlvd.	lb.	.18	- .25½
237-266, bgs., c.l., dlvd.	lb.	.19	- .26½
267-298, bgs., c.l., dlvd.	lb.	.20	- .27½
299-330, bgs. c.l., dlvd.	lb.	.21	- .28½
331-362, bgs., c.l., dlvd.	lb.	.22	- .29½
363-394, bgs., c.l., dlvd.	lb.	.23	- .30½
395-427, bgs., c.l., dlvd.	lb.	.24	- .31½
428-460, bgs., c.l., dlvd.	lb.	.25	- .32½
461-494, bgs., c.l., dlvd.	lb.	.26	- .33½
495-529, bgs., c.l., dlvd.	lb.	.27	- .34½
Hide glue l.c.l., prices 1c. higher than c.l. bbls., ½c. over bgs.			
Glycerin, crude, saponification, 88%, to refiners, tanks.	lb.	.45	- .60
soaplye, 80%, tanks.	lb.	.35	- .50
dynamite, dms., c.l.	lb.	.55¼	- —
l.c.l.	lb.	.55¾	- —
tanks	lb.	.55	- —
high gravity, dms., c.l.	lb.	.55¼	- —
l.c.l.	lb.	.55¾	- —
tanks	lb.	.55	- —
refined, B.P., 98%, dms., c.l.	lb.	.55¾	- —
tanks	lb.	.55½	- —
USP, 95%, dms., c.l.	lb.	.55¼	- —
tanks	lb.	.55	- —
yellow, distilled, dms., c.l.	lb.	.55	- —
tanks	lb.	.55	- —
Glycine, USP (see Acid, aminoacetic).			
Glycol boriborate, dms.	lb.	.22	- —
Stearate, dms.	lb.	.26	- —
Gold chloride, acid-brown, bots.	oz.	20.75	-21.00
acid-yellow, bots.	oz.	18.75	-19.00
Gold-soda chloride, photo., bots.	oz.	13.00	- —
USP IX, bots.	oz.	14.50	-14.75
Goldenseal root, bls.	lb.	8.75	- 9.00
powd., bxs.	lb.	9.25	- 9.50
Gold of pleasure seed, bgs.	lb.	No stocks	
Grains of paradise, bgs.	lb.	.45	- .46
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse.	lb.	.04½	- —
70-75%, bgs., same basis.	lb.	.05	- —
75-80%, same basis.	lb.	.05½	- —
80-85%, bgs., same basis.	lb.	.06	- —
85-90%, bgs., same basis.	lb.	.07	- —
90% and up, same basis.	lb.	.08	- —
imported, amorphous, powd., dlvd.	lb.	.04	- .06
crystalline, 88-90%, powd., same basis.	lb.	.14	- 16
90-92%, powd., same basis.	lb.	.16	- .19
97% powd., same basis.	lb.	.22	- .25
flake, No. 1, 90-95%, 200-lb. crtns, same basis.	lb.	.21	- .22
No. 2, same basis.	lb.	.22	- .24
Grease, choice, loose	lb.	.20	- —
house, loose	lb.	.19¼	- —
yellow, loose	lb.	.19¾	- —
white, loose	lb.	.19⅞	- —
Wool (see Adeps lanae and Degras).			

Green, brilliant, thioflavin toner, molybdic, kegs., works..lb. 3.26 - —
tungstic, kgs., works.....lb. 3.76 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .26 - —
6-10%, bbls., same basis. lb. .27 - —
11-15%, bbls., same basis. lb. .28 - —
16-20%, bbls., same basis. lb. .28½- —
21-25%, bbls., same basis. lb. .29½- —
26-30%, bbls., same basis. lb. .29¾- —
31-35%, bbls., same basis. lb. .30¾- —
36-40%, bbls., same basis. lb. .32½- —
41-45%, bbls., same basis. lb. .34 - —
46-50%, bbls., same basis. lb. .35¾- —
50% and over, bbls., same basis..lb. .36¾- —
reduced color, 5%, bbls., same basis..lb. .07 - —
6-10%, bbls., same basis..lb. .07¾- —
11-13%, bbls., same basis..lb. .08¼- —
14-16%, bbls., same basis..lb. .09 - —
17-19%, bbls., same basis..lb. .09¼- —
20-21%, bbls., same basis..lb. .09½- —
22-23%, bbls., same basis..lb. .09¾- —
24-25%, bbls., same basis..lb. .10 - —
26-27%, bbls., same basis..lb. .10½- —
28-29%, bbls., same basis..lb. .11 - —
30-31%, bbls., same basis..lb. .12 - —
32-33%, bbls., same basis..lb. .13¼- —
34-35%, bbls., same basis..lb. .14¼- —
36-40%, bbls., same basis..lb. .17 - —
41-45%, bbls., same basis..lb. .19¼- —
46-50%, bbls., same basis..lb. .19¾- —
51-55%, bbls., same basis..lb. .20½- —
56-60%, bbls., same basis..lb. .21 - —
61-65%, bbls., same basis..lb. .22 - —
66-70%, bbls., same basis..lb. .23¼- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.). Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.

Chrome oxide, pure, dms., works..lb. .27½- .30
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works.....lb. 3.50 - —
Phthalocyanin, tetrahydroxide (hydrated chromium oxide), bbls., works...lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - 4.00
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .22
Guaiac, resin, cs.....lb. .32 - .34
Wood, bls.....lb. .35 - .36
Guaiacol, cryst., N.F., tins...lb. 1.60 - 1.65
Liquid, N.F., bots., cbys....lb. 1.60 - 1.84
Carbonate, dms.....lb. 2.40 - 2.46
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - 95
Arabic, amber, sorts, bgs....lb. .13¾- .14
white, sorts, 1, bgs.....lb. .28 - .29
Asphaltum (see A).
Asafetida (see A).
Benzoin, Sumatra, cs.....lb. 1.00 - 1.70
Camphor (see C).
Copal, Congo (former dollar-and-cent ceilings revoked Feb. 2. New ceiling prices are to be based on prices to be paid by importers in the Belgian Congo plus landed costs, as determined by a formula under the new import regulations).
East India (former dollar-and-cents ceilings on all other copals revoked May 21. New ceiling prices are to be figured on same basis as Congo).
Manila, No. 1, hard, bold, amber, light, bskts, c.l., whse..lb. .25 - —
Dammar (former dollar-and-cent ceiling on Batavia and Singapore revoked May 21. New ceiling prices are to be figured on same basis as copals).
Elemi (former dollar-and-cent ceilings on elemi revoked May 21. New ceiling prices to be figured on same basis as copals).
Ester,[7] gum-resin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis. lb. .1400- —
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1074
Euphorbium, cs.....lb. 1.50 Nom
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipes, cs.....lb. 2.00 - 2.05
powd., bbls.....lb. 2.25 - 2.30
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .21 - .50
Kauri (former dollar-and-cent ceilings revoked May 21. New ceiling prices are to be based on prices to be figured on same basis as copals).
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 3.25 - 3.30
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .27 - .45
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, bgs.....lb. .90 - .95
Scammony, cs.....lb. 1.50 - 1.55
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 5.00 - 5.25
No. 2, cs.....lb. 3.65 - 3.90
No. 3, cs.....lb. 3.20 - 3.45
Yacca (former dollar-and-cent ceiling prices revoked May 21. New ceiling prices to be figured on same basis as copals).

Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —

Gypsum, plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.12.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald. ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —

Stucco, paper bgs., c.l., Acme, Texas, Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighten, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald. ton. 9.00 - —

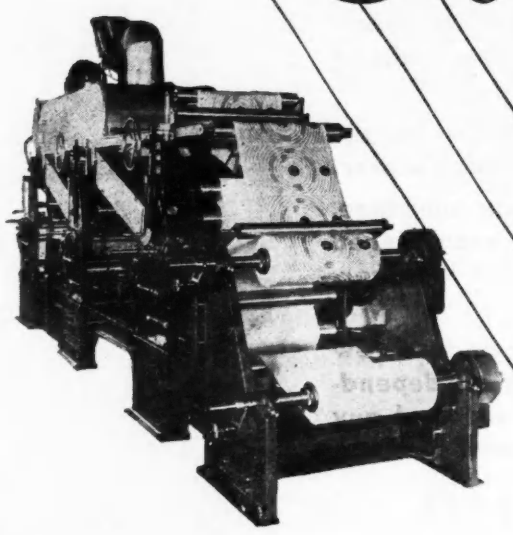
Terra alba, paper bgs., c.l., Harlem river, N. Y., New Brighton, N. Y., same basis..ton 14.40 - —

H

Hawthorn berries, bgs.....lb. .60 - .65
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.25 - 2.30
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract, 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.00 - 1.25
Henna leaves, bls.....lb. .29 - .30
powd., bbls., bxs.....lb. .34 - .36
Heptane, industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½- —
77°-115° C., dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .13 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3-gal. .16 - —
l.c.l., Group 3.....gal. .20 - .55
Hexalin (see cyclohexanol).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane, 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10¾- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .55
Hexanol, normal, dms., l.c.l., works..lb. .35 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago..unit-ton. 9.50 - —
Hops, NF, bls.....lb. .54 - 1.50
Horehound, bls.....lb. .12½- .13
Hydrangea root, bls.....lb. .22 - .25
Hydrastine, alkaloid, bots....oz.20.00 -22.00
Hydrochloride, bots.....oz.29.00 -32.00
Sulphate, bots.....oz.29.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., 5b. cans.. works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18½
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. No prices
dms., extra, ret'able, dlvd...lb. No prices
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.15.00 -20.00
Hydrobromide, bots.....oz.18.00 -19.50
Sulphate, bots.....oz.14.00 -19.50

Dow glycols

Handling many jobs—better—cheaper!



SOLVENTS

LUBRICANTS

HUMECTANTS

COUPLING AGENTS

PLASTICIZERS

HYDRAULIC FLUID COMPONENTS

HEAT-TRANSFER MEDIA

Food packaging ink that's quick to dry

Many industrial problems are simplified with the aid of Dow Glycols! This story from the printing ink manufacturers provides an illuminating example:

When an ink is to be used for printing food packages and wrappers, special care must be taken in selecting the solvent for the printing ink resins. Alert manufacturers have now discovered that several of the Glycols fulfill the necessary solvent requirements to an unusually high degree. These Glycols are high-boiling and virtually free from residual odor and taste. Moreover, they simplify drying—and that means more economical equipment and speedier operation.

This is merely one illustration of the varied applications of the Dow Glycols . . . "idea materials" for many jobs. Put the Glycols to work on some of your problems! Dow will gladly send you full details.

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DOW

CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Hypernic extract, cryst., No. 1, bbls., l.c.l. ..lb. .42 - —
No. 2, bbls., l.c.l. ..lb. .34 - —
liquid, No. 1, bbls., l.c.l. ..lb. .24 - —
No. 2, bbls., l.c.l. ..lb. .19 - —
solid, No. 1, bxs., l.c.l. ..lb. .30 - —
Hyssop, bgs. ..lb. .60 - .61
leaves, bgs. ..lb. .69 - .70

I

Iceland moss, bgs. ..lb. .50 - .52
Ichthammol, NF, bots. ..lb. 2.47 - —
Indian red (see Red, Indian).
Indigo, nat., chests ..lb. 2.24 - 2.26
synth., paste, bots. ..lb. .16½- .19
powd., bbls. ..lb. .74½- .85
Indol, CP, bots. ..lb. 19.00 -22.00
Insect flowers (see Pyrethrum).
Iodine, crude, 25-lb. jars ..lb. 1.97 - —
150-lb. kgs. ..lb. 1.28½- —
resubl., 5-lb. bots., jars ..lb. 1.75 - 1.85
Iodoform, 100-lb. dms., kgs. ..lb. 3.95 - 4.10
25-lb. jars or 5lb. dms. ..lb. 4.20 - —
Ionone, ketone, bot. ..lb. 8.00 - 9.50
Methyl, bot. ..lb. 9.25 -12.00
Ipecac root, bgs. ..lb. 4.50 - 4.75
powd., bgs. ..lb. 4.75 - 5.00
Iris flags, bleached, prime ..lb. .25 - .30
Iron acetate, liquor, bbls., c.l., dlvd. ..lb. .17 - —
l.c.l., dlvd. ..lb. .18 - —
solut., USP IX, 100-lb. cbys. ..lb. .17 - —
50-lb. djns. ..lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works ..100 lbs. 4.90 - 5.25
l.c.l., works ..100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld. ..100 lbs. 4.00 - 6.00
USP X, lump, bbls. ..lb .07 - .08¼
solut., 42 Be, cbys., works, frt alld. or equald. ..lb. .05¼- .06
djns., same basis ..lb. .10 - —
Iron citrate, USP VIII, gran., dms. ..lb. .70 - .75
powd., cns. ..lb. .84 - .87
Glycerophosphate, bbls. ..lb. 2.40 - 2.52
Hypophosphite, bbls., dms. ..lb. 1.50 - 1.52
Iodide, bots. ..lb. 3.18 - 3.22
Naphthenate, 6% Fe, 50-gal. dms. ..lb. .16½- .17½
Nitrate, red, tech., dms. ..lb. .03½- .04
Oxalate, gran., dms. ..lb. .83 - .85
powd., cns. ..lb. .52 - —
kgs. ..lb. .47 - .49
Phosphate, soluble, NF, gran., cs. ..lb. .54 - .57
Pyrophosphate, gran., cns. ..lb. .59 - .62
Reduced, 90%, kgs. ..lb. .65 - .75
Resinate, 7.4% Fe, 100-lb. dms. ..lb. .17½- —
Sulphate (ferric), anhyd., bgs., c.l., works ..ton.35.00 - —
l.c.l., works ..ton.40.00 - —
partially hydrated bgs., c.l., works ..ton.26.50 - —
(ferrous) tech. (see Copperas).
USP, cryst., bbls., dms. ..lb. .06½- .11
Tallate, 4% Fe, 50-gal. dms. ..lb. .10¼- —
Iron-ammonia citrate, brown, green, gran., pearls, dms. ..lb. .33 - .38
scale, dms. ..lb. .49 - .52
Oxalate, bbls. ..lb. .23½- —
dms., kgs. ..lb. .25½- .26½
Iron-soda oxalate, bbls., dms. ..lb. .23½- .26½
Isobornyl acetate, cns., works ..lb. .80 - .95
Isobornyl thiocyanoacetate, dms., c.l., works ..gal. 4.35 - —
l.c.l., works ..gal. 4.45 - 4.55
tanks, works ..gal. 4.25 - —
Isobutyl acetate, cns. ..lb. 1.10 - —
Propionate, cns. ..lb. No prices
Isoeugenol, cns., works ..lb. 3.75 - 4.35
Isopentane, dms., works ..lb. .45 - .55
Isophorone, dms., c.l., works ..lb. .21 - —
l.c.l., works ..lb. .22 - —
tanks, works ..lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld. ..lb. .10½- —
l.c.l. E. of Rockies, same basis ..lb. .11 - —
tanks, E. of Rockies, same basis ..lb. .09½- —
Alcohol (see Alcohol, Isopropyl).
Ether, dms., c.l., dlvd. ..lb. .06 - —
l.c.l. ..lb. .06½- —
tanks, dlvd. ..lb. .04½- —
Isopropylamine, dms., works ..lb. .35 - —

J

Jaborandi leaves, bls. ..lb. .30 - .31
Jalap root, NF, bls. ..lb. .37 - .52
powd., bbls., bxs. ..lb. .43 - .58
Resin, lump, cns. ..lb. 5.85 - —
powd., bxs. ..lb. 5.90 - —
Juniper berries, bgs. ..lb. .22 - .25
Juniper tar, USP, dms. ..lb. .68 - 1.00

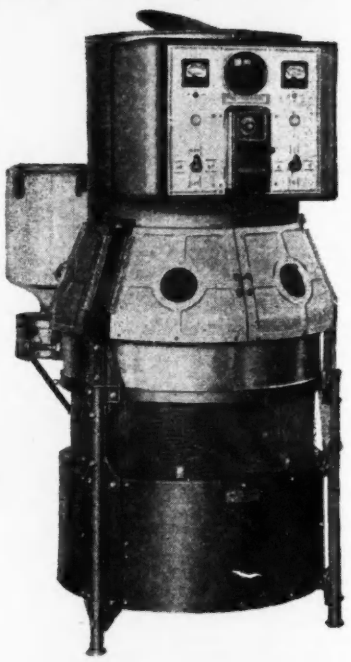
K

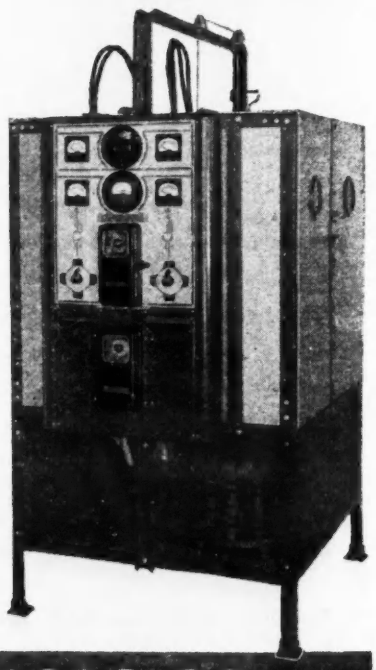
Kamala, powd., cns. ..lb. .46 - .48
Kaolin (see China clay).
Kava kava root, bls. ..lb. .28 - .30
Kerosene, at refinery: Ark., 42-44 w.w., tanks ..gal. .06 - —
Bayonne, 41-43, w.w., tanks.. gal. .061 - —
California, 40-43 w.w., tanks. gal. .07 - —
Gulf ports, 41-43 w.w., tanks. gal. .04¾- .05
Okla.-Tex., 41-43 w.w., tanks. gal. .04875- —
Penn., 45 w.w., tanks ..gal. .0655- .0705
47 w.w., tanks ..gal. .0705- —
Kola nuts, bgs. ..lb. .10 - .11
Kyanite, imp., low iron content, 10-mesh, whse. ..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls. ..lb. 1.35 - 1.40
Lanolin (see Adeps lanae).
Lard, ref., tierces, c.l. ..lb. No prices
prime steam, tierces, c.l. ..lb. No prices
Larkspur seed, bgs. ..lb. .80 - .82
Laurel berries, bls. ..lb. .25 - .26
Leaves, Cyprus, bls. ..lb. .16½- .19
Greek, bls. ..lb. .19½- .20
Portuguese, futures, bls. ..lb. .15½- .16
good, bls. ..lb. .16 - .16¾
Turkish, bls., futures ..lb. .15½- .16
Lavender flowers, medium, bls. ..lb. .60 - .65
ordinary, bls. ..lb. .35 - .45
select, bls. ..lb. .65 - .70
Lead, acetate,[1] white, broken, bbls. ..lb. .12½- —
cryst., bbls. ..lb. .12½- —
gran., powd., bbls. ..lb. .13¼- —
Arsenate, basic powder, 5-lb. bgs. or larger, c.l. ..lb. .14 - —
l.c.l. ..lb. .14½- —
1-lb. ctns., c.l. ..lb. .24 - —
l.c.l. ..lb. .24½- —
standard, paste, cns., c.l. ..lb. .06¾- —
l.c.l. ..lb. .07 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest.
Blue, basic sulphate, bbls., c.l., 20-ton lots, dlvd. E. ..lb. .08½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash, Wyo. ..lb. .08¾- —
l.c.l., dlvd. E. ..lb. .09¾- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. ..lb. .09 - —
Carbonate (see Lead, white).
Chloride, fib. dms. ..lb. .49 - —
Iodide, NF V, bots. ..lb. 2.80 - —
jars ..lb. 2.60
Linoleate, pale, precip., bbls. ..lb. .22½- —
Metal,[6] (see Protective Coatings Materials market).
Metallic paste, dms., works ..lb. No stocks
Naphthenate, 24%-30%, Pb. ..lb. .16 - .19½
Nitrate, bbls. ..lb. .12¼- —
Oleate, bbls. ..lb. .17¾- —
Peroxide, powd., tech., bbls. ..lb. .23 - .28
Red, 95% Pb_3O_4, or less bbls., c.l. (20 tons), dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo., and E. of Cascade Mts., in Ore. and Wash. ..lb. .15 - —
other points ..lb. .14¾- —
l.c.l., 5 tons, dlvd. Ala., Cal., Fla., Ga., La., Miss., Mont., Nev., N. Mex., Tex., and W. of Cascade Mts. in Ore. and Wash. ..lb. .15½- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash. ..lb. .16 - —
Colo., Mont., N. Mex., Wyo. ..lb. .15¾- —
other points ..lb. .15½- —
smaller lots, Ala., etc. ..lb. .15¾- .15½
Ariz., etc. ..lb. .15¾- —
Colo., etc. ..lb. .15½- —
other points ..lb. .15 - —
in oil, kgs. ..lb. .1785- —
97% Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Wash. and Ore. ..lb. .15¾- —
other points ..lb. .15 - —
l.c.l., 5 tons, dlvd. Ala., etc. ..lb. .15¾- —
Ariz., etc. ..lb. .16¼- —
Colo., etc. ..lb. .16¾- —
other points ..lb. .15¾- —
smaller lots, dlvd. Ala., etc. ..lb. .16¼- —
Ariz., etc. ..lb. .17 - —
Colo., etc. ..lb. .16¾- —
other points ..lb. .16¾- —
Resinate, precip., 23.8% Pb dms. ..lb. .20 - —
Silicate, bgs. ..lb. .0730- .0780
Soyate, 20.15% Pb., dms. ..lb. .22¼- —
Stearate, bbls. ..lb. .34½- .35½
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 10% Pb. dms. ..lb. .10 - .11
Titanate, bgs., bbls., c.l., l.c.l., 6 tons, one delivery, E. frt. alld. ..lb. .11½- —
Pac. Cst., ex whse. ..lb. .11½- —
smaller lots, E. frt. alld. ..lb. .11½- —
Pac. Cst., ex whse. ..lb. .11½- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo. ..lb. .10 - —
..lb. .14 - —
dlvd. other points ..lb. .13¾- —
l.c.l., dlvd. Ariz., etc. ..lb. .14¼- —
other points ..lb. .14 - —
basic sulphate, bbls., c.l., dlvd. Ariz., etc. ..lb. .09 - —
other points ..lb. .08¾- —
l.c.l., dlvd. Ariz., etc. ..lb. .09¼- —
other points ..lb. .09 - —
in oil, consumers, kgs. ..lb. .1745- —
painters, kgs. ..lb. .1635- —
Lecithin, edible, dms., c.l. ..lb. .25¼- —
l.c.l. ..lb. .26¼- .45
in cocoa butter, dms., c.l. ..lb. .39½- —
l.c.l. ..lb. .40¾- .50
tech., dms., c.l. ..lb. .25¼- —
l.c.l. ..lb. .26¼- .45
vegetable, pure, bots., 100 lbs. ..lb. 2.75 - —
Lemon peel, bls. ..lb. .35 - .40
Licorice extract, mass, cns. ..lb. .40 - .42
powd., bbls. ..lb. .60 - .62
Root, natural, bls. ..lb. .12 - .14
powd., bbls. ..lb. .18 - .20
5-lb. bundles, cs. ..lb. .65 - .66
Lignin extract, tanning grade, bgs., c.l., works ..lb. .04 - —

The ATLAS FADE-OMETER AND WEATHER-OMETER





Provide a means of quickly determining the color fastness and weathering qualities of Paints and Related Products.

Permanence of color or degree of fading on exposure to sunlight is determined in the Fade-Ometer.

Deterioration due to exposure to light, moisture, thermal shock, or humidity variations encountered in outdoor exposure is determined in the Weather-Ometer.

Years of actual exposure are reduced to a few days testing in your laboratory. Results are dependable and exact duplicate tests can be made at any time in the development of a stable paint product.

ATLAS WEATHER-OMETER

faithfully duplicates the combined weathering effects of sunlight, rain, heavy dew and thermal shock. Full automatic control of light and water periods is provided by the Atlas Cycle Timer unit which can be set to meet standard and special requirements of weathering tests. After setting exposure cycles on the control panel, the Weather-Ometer can be safely left in continuous operation without attention.

ATLAS FADE-OMETER

is the recognized standard testing machine for predetermining the fastness to light of any material or finish. Specimens are rotated around the Atlas enclosed violet arc—the closest approach to actual sunlight—in masked holders. Automatic temperature control to within ±3° F. and humidity regulated by a constant reservoir according to requirements of tests. Operation is completely automatic without attention from operator; can be left in continuous operation overnight.

ATLAS WEATHER-OMETERS AND FADE-OMETERS

. . . . . are used by these companies and hundreds of others to test the resistance of their products.

American Cyanamid Co.
American Zinc Oxide Co.
Baltimore Paint & Color Works
Brooklyn Varnish Mfg. Co.
H. B. Davis Co.
Dow Chemical Co.
E. I. Du Pont de Nemours & Co.
General Electric Co.
Gilman Paint & Varnish Co.
Hercules Powder Co.
Marietta Paint & Color Co.
Monsanto Chemical Co.
New Jersey Zinc Co.
Pittsburgh Plate Glass Co.
Prismo Laboratories
Roxalin Flexible Finishes
Sears Roebuck & Co.
Seidlitz Paint & Varnish Co.
Sherwin Williams Co.
Tennessee Eastman Corp.
Truscon Labs.
Montgomery Ward & Co.
Western Shade Cloth Co.
Western States Lacquer Co.

ATLAS ELECTRIC DEVICES CO.
361 WEST SUPERIOR STREET CHICAGO 10, ILLINOIS

OPD—11-18-1946 19

TIME TO DROP THE PILOT

Your private formula is undoubtedly sound on paper and even in your pilot plant operation... but what will happen when it is time to drop the pilot? Will you realize all of your formula's possibilities in large scale manufacture?

For more than a century Strong Cobb & Company has been helping private formula owners to drop pilot plant operations and convert to mass-production.

All potentialities of your formula are investigated by our technical sales director and his pharmaceutical staff. If you wish, our laboratory experts offer suggestions concerning potencies, vehicles, disintegrating materials, excipients, etc. Strong Cobb & Company will place at your disposal more than a century of pharmaceutical manufacturing experience.

If your problem is immediate or if you plan future production, our technical sales director will be pleased to consult with you.

Strong Cobb & Company Inc.

SUBSIDIARY OF STANDARD BRANDS INCORPORATED

CLEVELAND 4, OHIO

MANUFACTURING CHEMISTS SINCE 1833

Lime, agricultural, works....ton. 9.00 - 9.50
Chemical (quicklime), lump, pebble, Adams, Mass..ton. 9.00 - —
Annville, Pa.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkeley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.25 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 9.00 - —
Crab Orchard, Tenn.ton. 7.90 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton. 7.50 - —
Hannibal, Mo.....ton. 7.50 - —
Keystone, Ala.....ton. 7.90 - —
Knoxville, Tenn.....ton. 7.90 - —
Limedale, Ark.....ton. 8.00 - —
Longview, Ala.....ton. 7.90 - —
Manistique, Mich....ton. 8.00 - —
Marblehead, Ohio....ton. 8.50 - —
Martinsburg, W. Va.ton. 8.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 7.50 - —
Newala, Ala.....ton. 7.90 - —
Ripplemead, Va.....ton. 8.50 - —
Riverton, Va.....ton. 8.50 - —
Rockland, Maine.....ton. 8.00 - —
Scioto, Ohio.....ton. 6.50 - —
Sherwood, Texas.....ton. 7.90 - —
Sherwood, Wisc.....ton. 8.50 - —
Springfield, Mo.....ton. 8.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
Hydrated, Adams, Mass....ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Berkeley, W. Va.....ton.10.00 - —
Buffalo, N. Y.....ton.10.50 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton.10.00 - —
Crab Orchard, Tenn..ton.10.65 - —
Eagle Mountain, Va.ton.10.00 - —
Farnams, Mass.....ton.10.00 - —
Gibsonburg, Ohio....ton. 9.50 - —
Hannibal, Mo.....ton. 9.50 - —
Keystone, Ala.....ton.11.65 - —
Knoxville, Tenn.....ton.10.65 - —
LeRoy, Minn.....ton.10.00 - —

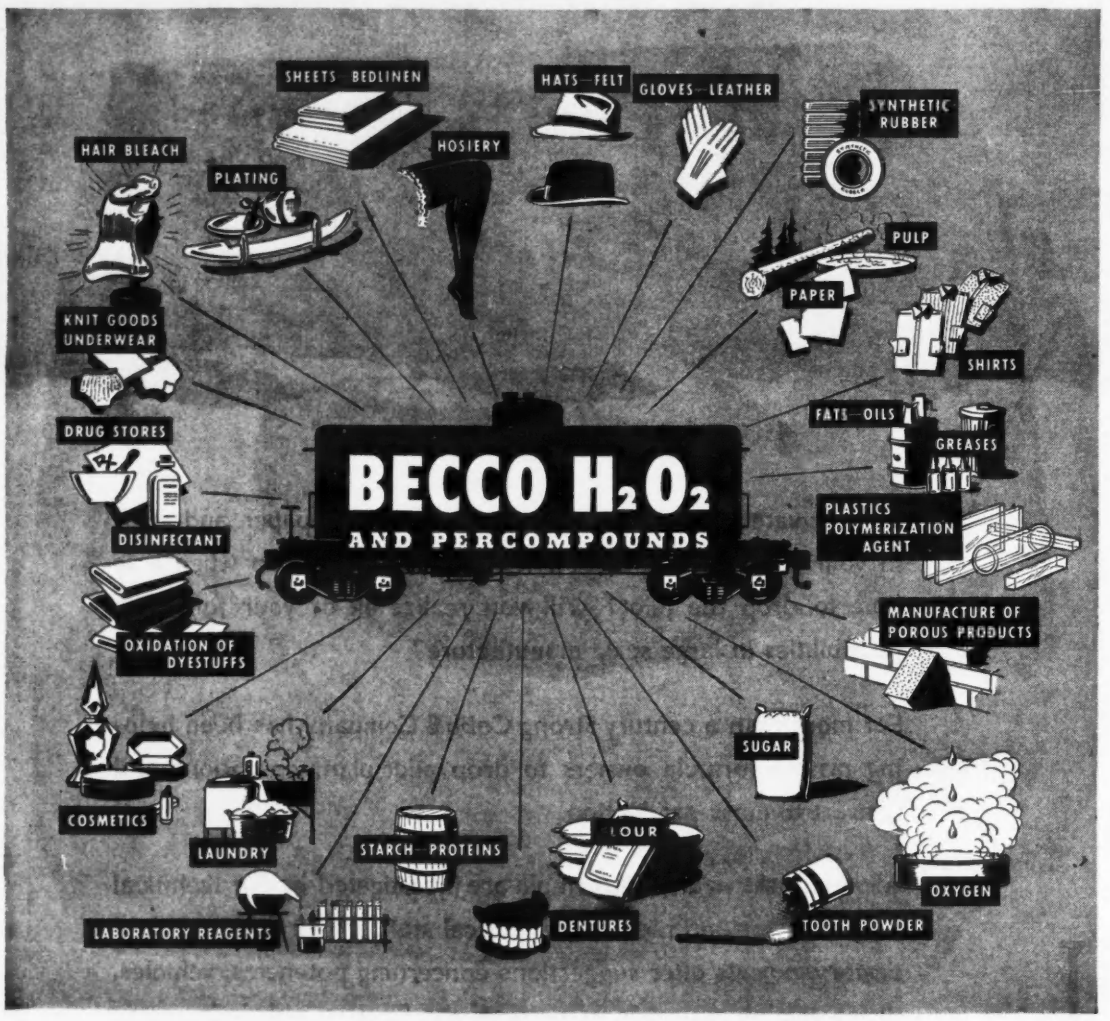
Lime, hydrated, Limedale, Ark. ton.10.00 - —
Longview, Ala.....ton.11.65 - —
Manistique, Mich....ton. 9.50 - —
Marblehead, Ohio....ton.10.50 - —
Martinsburg, W. Va.ton.10.00 - —
Mitchell, Ind.....ton.10.00 - —
Newala, Ala.....ton.11.65 - —
Petoskey, Mich.....ton.10.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. Dak.ton.12.00 - —
Ripplemead, Va.....ton.10.00 - —
Rockland, Maine.....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.11.65 - —
Sherwood, Wisc.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton.10.00 - —
Spray, paper bgs., Adams, Mass. ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.10.00 - —
Marblehead, Ohio....ton.10.00 - —
Rockland, Maine.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[2] 20.5% N. (see Ammonia nitrate-lime-stone).
Limestone, ground, bulk, works. ton. 1.40 - —
Linalool .....lb. 7.60 - —
Linalyl acetate, ex bois de rose, bots..lb. 8.50 - —
ex lignaloe wood, bots.....lb. 7.75 - 8.40
ex petitgrain, bots.....lb. 3.90 - 4.10
Linden flowers with leaves, bls. lb. .55 - .60
without leaves, bls.....lb. .65 - .70

Linseed meal,[1] 34%, bulk, c.l., ton. No prices
32%, same basis.....ton. No prices
Litharge, com'l, powd., bbls., c.l. dlvd. Ala., Ariz., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .14 - —
other points .....lb. .13¾ - —
Ala., Cal., Fla., Ga., La., Miss., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .14½ - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .15 - —
Colo., Mont., N. Mex., Wyo..lb. .14¾ - —
other points .....lb. .14½ - —
smaller lots, dlvd. Ala., etc..lb. .14¾ - .14⅞
Ariz., etc. .....lb. .14¾ - —
Colo., etc. .....lb. .14½ - —
other points .....lb. .13¾ - —
Lithopone, ordinary, bgs., c.l. lots, works, frt. equald.lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Carbonate, NF, bbls., kgs...lb. 1.25 - 1.30
Chloride, jars .....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls. .....lb. 2.45 - 2.60
Hydroxide, jars .....lb. 1.25 - 1.46
Iodide, bots. .....lb. 5.20 - —
jars .....lb. 5.05 - —
Stearate, fib. dms., works....lb. .53¼ - —
Lithopone,[1] ordinary, bgs., c.l., (20tons)..lb. .0440 - —
l.c.l. .....lb. .0465 - —
bbls., c.l. .....lb. .0465 - —
l.c.l. .....lb. .0490 - —

Lithopone, titanated (high-strength), bgs..lb. .05¾ - —
smaller lots .....lb. .06 - —
bbls., c.l. .....lb. .06 - —
smaller lots .....lb. .06¼ - —
Lithopone, c.l., dlvd. Pac. Cst., ½c. higher; l.c.l., ex whse. Pac. Cst. ½c. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .80 - .85
Lobeline sulphate, bots., wks.oz. 25.50 - 28.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½ - —
No. 4, bbls., l.c.l. .....lb. .15 - —
solid, No. 1, bxs., l.c.l....lb. .23 - —
No 2, bxs., l.c.l.....lb. .26 - —
bbls., c.l., Zone 1.....lb. .09½ - —
No. 4, bxs., l.c.l.....lb. .22 - —
No. 3, bgs., l.c.l.....lb. .23½ - —
No 3, boxs., l.c.l.....lb. .21½ - —
No. 6, boxs., l.c.l.....lb. .39½ - .44½
Lovage root, American (ligusticum actas folium), bbls..lb. 1.20 - 1.50
Lupulin, NF, tin.....lb. 12.75 - 13.00
Lycopodium, USP, cs.....lb. 2.50 - 3.00

M

Mace, Banda, cs.....lb. 1.60 - 1.70
West Indian, bgs.....lb. 1.60 - 1.70
Broken, bgs. .....lb. 1.30 - 1.40
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[1] dms.....lb. .153 - .18
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07¼ - —
bbls., c.l., Zone 1.....lb. .07½ - —
l.c.l., Zone 1.....lb. .08½ - —
kgs., c.l., Zone 1.....lb. .08¾ - —
l.c.l., Zone 1.....lb. .09¾ - —
USP, bgs., c.l., Zone 1.....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
bbls., c.l., Zone 1.....lb. .08½ - —
l.c.l., Zone 1.....lb. .09½ - —
kgs., c.l., Zone 1.....lb. .09¼ - —
l.c.l., Zone 1.....lb. .10¾ - —
Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.
Chloride, anhyd., bbls., dlvd..lb. .12¾ - —
flake, bbls., c.l., works...ton.32.00 - —
l.c.l., works.....ton.39.00 - 42.00
Fluoride, bbls.....lb. .20 - .25
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.45 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.05
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .06 - .09
Stearate, ctns., 2,000 lbs. to c.l. lb. .50 - —
less than ton.....lb. .51 - —
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton.58.75 - —
dead-burnt, bulk, c.l., Chewelah, Wash..ton.22.00 - 32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l. .....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.55 - 1.60
Leaves, bls.....lb. .40 - .41
Manaca root, bls.....lb. .49 - .50
Mandrake root, bls.....lb. .83 - .84
Manganese acetate, dms.....lb. .35½ - —
Arsenate,[6] bgs. .....lb. .12 - .12¾
Borate, tech., bbls.....lb. .16 - .18
Carbonate, bbls.....lb. .19 - —
Chloride, anhyd., bbls., wks.lb. .14 - .16
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 - 82.00
85-90%, bbls., c.l., works... ton.74.00 - —
smaller lots, works..ton.77.00 - 82.00
burlap bgs., c.l., works. ton.71.75 - —
l.c.l., works.....ton.74.75 - 79.75
paper bgs., c.l., works.ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, fib. dms., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .20 - —
Iodide, bots.....lb. 5.70 - —
jars .....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .20 - —
solid, precip., 8.2%, bbls..lb. .22 - —
Naphthenate, 6% Mn, dms...lb. .17¾ - —
Resinate, fused, 3½%, bbls..lb. .09 - .10¼
precip., dms.....lb. .17½ - —
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works. lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton.62.00 - —
l.c.l., same basis, or Balto. or Cincinnati... ton.65.00 - —
industrial grade, 80%, bgs..lb. .05 - .05¾
75%, bgs., c.l., dlvd. East. ton.60.00 - —
Tallate, 4% Mn, dms.....lb. .10¼ - .11¼
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton.58.00 Nom.
Manna, flake, large, cs.....lb. 1.50 - 1.55
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works.lb. .35 - .40
reagent, cs. or multiples, works..lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast.lb. .35 - .36
Chilean, bls.....lb. .03½ - .00
Matico leaves, bls.....lb. .22 - .26
Menadione, USP, bots., works, gram. .10 - —
Menthol, natural, USP, Brazilian, cns..lb. 7.80 - 8.05
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns. .....lb. 6.10 - 6.20
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails .....lb. 1.30 - —
60%, pails .....lb. 1.86 - 1.90
Mercury bichloride (see Corrosive sublimate).
Bisulphate, dms. .....lb. 2.80 - 2.81
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 3.86 - —
Iodide, red, NF, dms.....lb. 4.30 - —
yellow, NF, fib. dms.....lb. 4.40 - —
Oxide, red, NF (see Red precipitate).
yellow, USP, fib dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).



METAL PEROXIDES BY BECCO

A special group of the Becco "peroxygen" chemicals are the metal peroxides which are insoluble in water but soluble in mineral acids. Metal Peroxides by Becco are compatible with many inorganic and organic materials. They can be used in the preparation of tooth powders, in processing of foodstuffs, and, in general, where oxidation at high temperatures is required. Some of these peroxides also find use as chemo-therapeutical agents and for cosmetic and pharmaceutical preparations.

BECCO MAGNESIUM PEROXIDE—50%
White powder. Contains 14.2% active oxygen. Exceedingly stable even at temperatures above 100° C.

BECCO CALCIUM PEROXIDE—60%
Yellowish powder. Contains 13.6% active oxygen. Has outstanding stability.

BECCO ZINC PEROXIDE—55%
White powder. Contains 7.4% active oxygen. Extremely stable even at 100° C.

OTHER BECCO PRODUCTS:
Electrolytic Hydrogen Peroxide—100 vol. (27.5% by weight)
Electrolytic Hydrogen Peroxide CP—30 and 90% by weight

Sodium Carbonate Peroxide	Potassium Persulfate
Acetyl Peroxide Solution	Ammonium Persulfate
Pyrophosphate Peroxide	Urea Peroxide

BUFFALO ELECTRO-CHEMICAL CO., Inc.
Becco Sales Corporation Sales Agents
16 SAWYER AVENUE, BUFFALO 7, NEW YORK

Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd. .....lb. .12 - —
tanks, dlvd. .....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. No stocks
Gold X+, deep, 23, 3⅜x3⅜ in., pkg. No stocks
Silver, 3⅜x3⅜ in.....pkg. No stocks
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs. ..lb. .70 - —
Methanol, natural, all grades, dms., c.l., f.o.b. R. gal. .63 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —

Prices on natural methanol W. of Miss. R., 3c. higher.

synth., dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .36 - —
4, frt. alld.....gal .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld. .....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are.—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .15 - —
10 dms.....lb. .16¼- —
1-9 dms.....lb .17¼- —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .13¼- .15
10 dms., dlvd.....lb. .16¼- —
1-9 dms, dlvd.....lb. .17¼- —
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½- .12
W. of Miss. .....lb. .11½- .12
l.c.l., E. of Miss....lb. .11 - .14
W. of Miss. .....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½- —
W. of Miss. .....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss. .....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10¼
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms., incl. E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone prices W. of Miss R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis. gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis. lb. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4 same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo. N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex. Nev., Ore., Utah, Wash.

synthetic, dms., c.l., Zone 1. gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .46½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, dms. .....lb. 1.80 - 2.70
bots., cns. .....lb. 2.20 - 2.60
Benzoate, cns. .....lb. .48 - 1.20
Bromide, cns.....lb. .63 - .65
cyls. .....lb. .55 - .70
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders. lb. .32 - —
service men and consumers..lb. .36 - —
50 to 499 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, 500-lb..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40
60-490 lb. cyl.....lb. .40 - —

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 130-lb. cylinders; 20-lb. cylinders 10c. per pound higher.

Alcohol (see Methanol).
Cinnamate, cns..... .....lb. 2.25 - 3.50
Formate, dms.....lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate, dms., 500 lbs.....lb. .35 - —
25-50 lbs.....lb. .37 - .38

Methylamyl ketone, cns., dms., works..lb. No stocks
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms. works .lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs., works. lb. 2.09 - 2.15
cns., works.....lb. 2.35 - —
Chloride, refrig., dms., wks..lb. 18 - .28
solvent, dms., works.....lb. .12 - .15
Methyleneanilin, lbs., ton lots, min. frt. alld..lb. .36 - —
smaller lots, same basis. ..lb. .37 - —
Methylethyl ketone, dms., dlvd.lb. .09 - —
l.c.l., dlvd .....lb. .09½- —
tanks, dlvd.... .....lb .08 -
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Methylisobutyl ketone, dms., c.l., dlvd .lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.75 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb 16½- —
1 and 5-gal. cont., works..lb. 20½- 23½
tanks, works.....lb. 15 -

Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 to 80 mesh, works. ton.50.00 -60.00
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works frt. alld. E..lb. .05 - —
l.c.l., ex whse., or frt. alld. E..lb. .05½- —
extra fine, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¾- —
l.c.l., ex whse. or frt. alld. E..lb. .06¼- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½- —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —

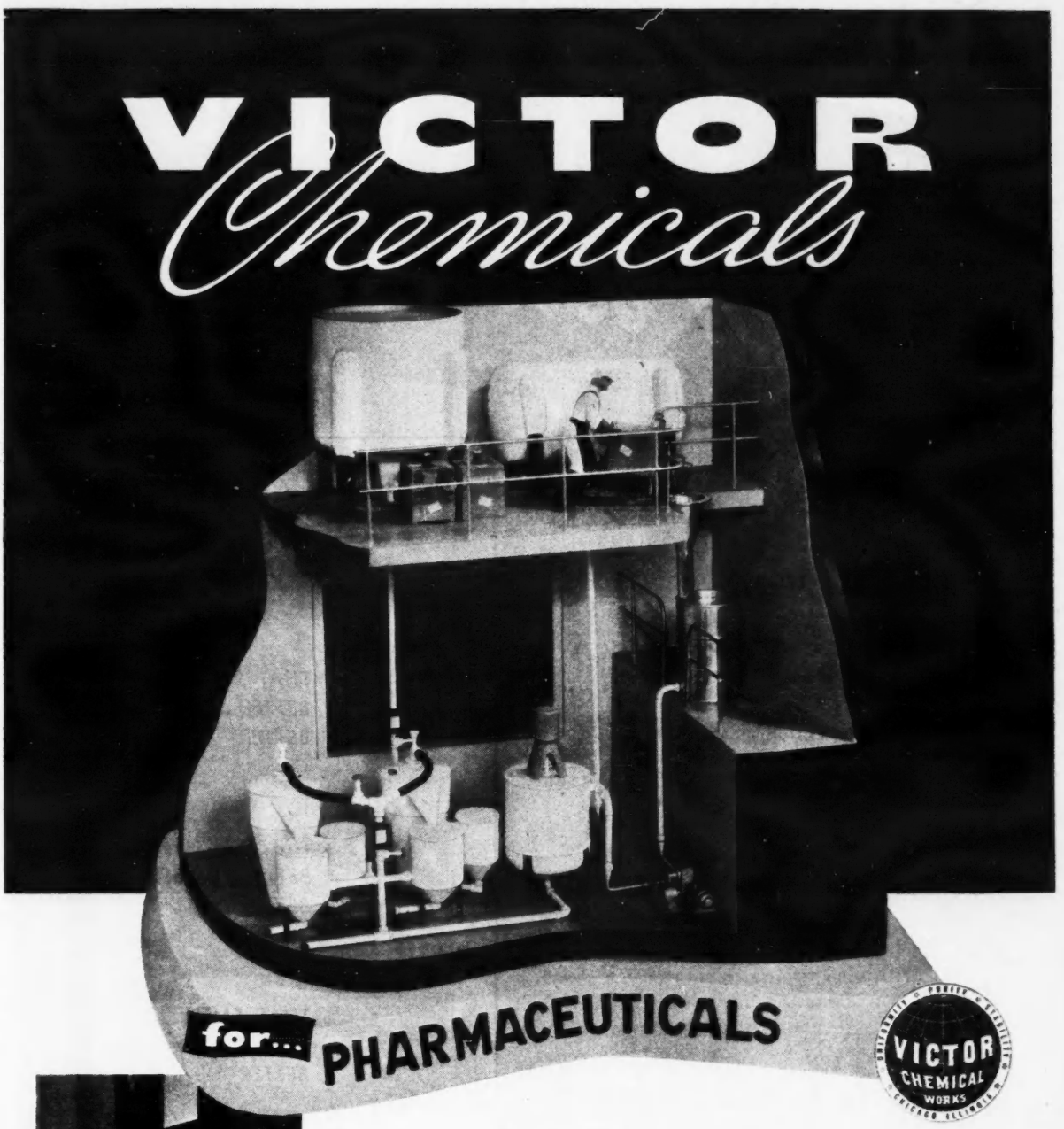
Mica, wet-grd., W. of Miss. R., ½c higher; W. of Rockies, ¾c. higher.

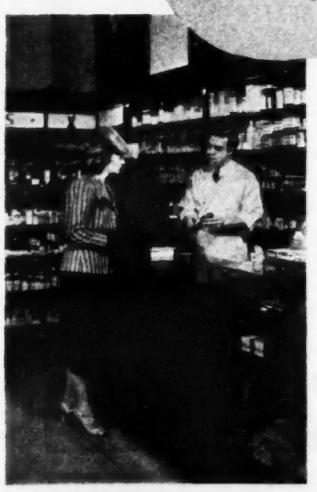
Milk powder,[7] skimmed, roller, bulk, c.l..lb. .15¼- 17¼
spray, bulk c.l.....lb. 15¾- 17¼
whole, roller, bbls., c.l....lb. 40 - 41
spray, bbls., c.l.....lb. 41 - 42
Milk sugar, bbls., c.l., works..lb. .26 - —
l.c.l., works.....lb. .28¾- .27¼
Mineral spirits (see Petroleum, mineral spirits)

Molasses,[8] blackstrap, tanks, works Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif.; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[9] kgs., 90%, powd..lb. 2.60 - 3.00
Trioxide,[9] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%...lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .06½- —
l.c.l., works .....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .22 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%..lb. .18 - —
tanks, 100% basis, works..lb. .15 - —
Monomethylene, anhydrous, cyl., works, frt. alld. E. of Miss. 100% basis..lb. .32½- —
solution, dms., works, frt. alld. E. of Miss., 100% basis. lb. .37 - .43½
tanks, same basis.....lb. .32 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90





In the manufacture of penicillin, chemical control and chemical reagents are essential at every step of the process . . . from the preparation of the culture and media for growth to the extraction and purification of the product. Victor phosphoric acid plays a vital role in the recovery of the raw penicillin from the harvest liquor. Highly reactive Victor phosphorus oxychloride serves as a chlorinating agent in the processing of sulfa drugs. Phosphorus oxychloride is also employed in one of the steps in the synthesis of atabrine, the anti-malarial specific • Other Victor chemicals used in the manufacture of pharmaceuticals include: **Aluminum Phosphates** (astringents, acidulants), **Dicalcium Phosphate** (mineral supplement, dentifrice polishing agent), **Iron Phosphates** (iron enrichment), **Potassium** and **Sodium Phosphates** (medicinals), **Tricalcium Phosphate** (dentifrice polishing agent, antacid, dusting of pills, mineral supplement).

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NEW YORK • KANSAS CITY • ST. LOUIS • NASHVILLE • GREENSBORO, N. C.
Plants: NASHVILLE • MT. PLEASANT, TENN. • CHICAGO HEIGHTS, ILL. • VICTOR, FLA.

Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz. 11.10 - —
cns., 25 ozs.....oz. 10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works. lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
Musk, nat., Tonquin, grains, bots., oz. 55.00 -60.00
synthetic, ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.20
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns.....lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.00
5 lbs.....lb. 1.65 - 2.90
Muskroot, bls.....lb. No prices
Mustard seed, Calif., Brown, bgs. lb. .15½- .16
yellow, bgs.....lb. .21 Nom.
Danish, yellow, bgs., futures. lb. .22½- .25
Mustard seed, Montana, brown, bgs., futures..lb. .11 - .11¼
oriental, bgs.....lb. .11½- .12
futures, f.o.b. source....lb. .08¾- .09¾
yellow, bgs.....lb. No prices
futures.....lb. .18½- .19
Washington, yellow, bgs.....lb. .16½- .17
Myrobalans, whole, J1, U. S. ports, ex dock..ton. 46.00 -47.00
J2, same basis.....ton. 42.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., c.l., frt. equald..lb. .03 - .03⅛
bbls., c.l., same basis..lb. .0335- .037½
tanks, same basis.....lb. .0275- .0325
78°, bgs., c.l., same basis. lb. .0325- .0375
bbls., c.l., same basis...lb. .0325- .0375
tanks, same basis.....lb. .03 - .0375
refined, balls, flakes, bbls., wholesalers and jobbers, c.l., works..lb. .09½- —
50-lb. cs., same basis....lb. .09¾- —
1-lb. pkgs., same basis..lb. .11 - —
Neocinchophen, USP, dms., works. lb. 7.00 - 7.10
Nepheline syenite, glass grade, 24 mesh, bulk, Rochester, N. Y...ton. 12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton. 15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Nerolin, crys., cns.....lb. 1.70 - 1.95
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .38¼
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. 13 - .13¼
Nicotinamide, USP, dms., works, kilo. 9.50 - 9.80
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .8660- —
tins, 10 lbs.....lb. 1.015 -
Nikethamide, bots., cbys.....lb. 7.00 - 8.00
Nitercake, bulk, works.....ton. 16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 40-60 cps., same basis. lb. .27 - —
Ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .25 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton. 108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis, Hopewell, Va., bulk, works.
Nitrogenous process tankage,[1,7] bulk, works..unit-ton. 3.15 - 3.50
Sewage sludge, bulk, works, unit-ton. 2.60+.40-3.00+.40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane 1, dms., works..lb. .26 - —
M, dms., works.....lb. .25 - —
Nutgalls, bgs.....lb. .44 - .50
Nutmegs, West Indian, bgs., Nov.-Dec..lb. .80 - .82
Nux vomica, bls.....lb. .09½- .10
powder, bbls., bxs.....lb. .12 - .13

O

Oakbark extract, 25% tannin, bbls., c.l., works..lb. No stocks
Octane, 100° C-146° C, industrial grade dms., c.l., G.3..gal. .15½- —
l.c.l., G. 3.....gal. .20 - —
10 gals., G. 3.....gal. .55 - —
tanks, G. 3.....gal. .18 - —
Octanol, (see Alcohol, ethylhexyl).

Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.A., bots.....lb. 4.35 - 5.00
USP, bots.....lb. No prices
sweet, exp., dms., cns....lb. 1.10 - 1.45
Angelica root, bots.....lb. 115.00 -275.00
Seed, bots.....lb. 115.00 -265.00
Anilin (see A).
Anise, USP, Chinese, dms....lb. 1.25 - 2.75
Russian, cns.....lb. 3.75 - —
Apricot kernel, cns.....lb. .65 - .85
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu, tanks.....lb. No prices
Bay, W. I., 50-55%, cns....lb. 1.30 - 1.65
Puerto Rican, 50-55%, cns..lb. 1.50 - 1.75
Bergamot, artif., cns.....lb. 2.25 - 5.50
natural, Italian, cns.....lb. 4.50 - 6.50
Birch (see Oil, sweet, birch).
Birchtar, crude, cns.....lb. 5.00 - 6.00
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.30 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cajeput, tech., dms.....lb. 2.25 Nom.
redistilled, USP IX, cns...lb. 2.50 - 2.75
Calamus, cns.....lb. 20.00 -30.00
Camphor, white, nat., cns...lb. 95 - 1.25
synthetic, dms.....lb. .25 - .35
Cananga, native, cns.....lb. 8.00 -14.00
rectified, cns.....lb. 10.50 -17.00
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 6.00 - 8.75
Cardamom, bots.....lb. 19.00 -25.00
Cassia, USP, cns.....lb. 3.50 - 6.50
Castor, blown, ret. dms., c.l..lb. No prices
l.c.l.....lb. No prices
cold-pressed, USP, cns.....lb. .30½- .32½
ret. dms., c.l.....lb. .28 - —
l.c.l.....lb. .29 - —
tanks.....lb. .27 - —
dehydrated, bodied, dms, c.l. lb. No prices
l.c.l.....lb. .36 - —
tanks.....lb. .34½- —
unbodied, dms., c.l.....lb. No prices
l.c.l.....lb. .34½- —
tanks.....lb. .33 - —
No. 3, tech., dms., c.l....lb. .27½- —
l.c.l.....lb. .28½- —
tanks.....lb. .28½- —
sulphonated, 50% (48% fat). dms., c.l..lb. No prices
l.c.l.....lb. No prices
75% (62-64% fat), dms., c.l. lb. No prices
l.c.l.....lb. No prices
Cedarleaf,[1] USP, cns., dms..lb. 2.55 - 2.70
Cedarwood, USP, cns.....lb. .80 - 1.30
dms.....lb. .86 - 1.15
Celery, bots.....lb. 17.00 -22.00
Chaulmoogra, USP, cns.....lb .60 - .85
Chinawood (see Oil, tung).
Cinnamon bark oil, bots.....lb. 32.00 -41.00
leaf, dms.....lb. 1.40 - 1.85
Citronella, Ceylon, cns.....lb. 1.35 - 2.75
Java, cns.....lb. 4.75 - —
Clove, USP, cns.....lb. 1.55 - 1.85
Coconut, Cochin type, bulk, c.l.f. N. Y..lb. No prices
Manila, bulk, c.l.f., N. Y..lb. .25 Nom.
tankcars, mills, Pac. Coast. lb. .24 - —
ref., bleached, undeod., tankcars..lb. No prices
bichd., deod., tankcars..lb. No prices
Cod, Newfoundland, dms..gal. No prices
tanks.....gal. No prices
Codliver, USP, bbls., dms..gal. 2.50 - 2.80
Coriander, bots.....lb. 18.00 -22.50
Corn, crude, tanks, works..lb. .28 - —
deod., bichd., tanks, Chicago,. lb. No prices
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E.lb. No prices
Cottonseed, crude, tanks, works. lb. .26 - —
foots, acid 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E. lb. No prices
salad, or winterized, tankcars lb. No prices
Creosote (see C).
Croton, NF, cns.....lb. 4.75 - 5.50
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude)
Cumin, bots.....lb. 8.50 -22.00
Cypress, bots.....lb 12.00 -16.00
Dagras (see D).
Dillseed, bots.....lb. 6.75 - 7.00
Dillweed, bots.....lb. 4.75 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, USP, rect., 80-90%, cns..lb. 1.13 - 1.40
70-80%, cns.....lb. 1.05 - 1.40
Fennel, sweet, cns.....lb. 3.75 - 4.50
Fir, Canada, cns.....lb. 2.50 - 2.80
Fishliver, dms., less than 40,000 A units per gram.... per million units. .80 - —
for each 1,000 additional A units up to 200,000 grams. per million units. .001 - —
200,000 or more A units..... per million units. .40 - —
Fuel (see Petroleum, fuel oil).
Garlic, pure, bots.....oz. 15.00 - —
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb. 16.00 -28.00
Bourbon, cns.....lb. 16.25 -22.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb. 10.50 -14.00
Grapefruit, Florida, cns.....lb. 2.20 - 2.45
California, bots., cns.....lb. 2.30 - —
Grease, common, No. 1, bbls., c.l..lb. No prices
extra, No. 1, bbls., c.l....lb. No prices
Winter strained, bbls., c.l..lb. No prices
prime, burning, bbls., c.l..lb. No prices
inedible, bbls., c.l.....lb. No prices
Guaiacwood, cns.....lb. 2.90 - 4.00
Hemlock, cns.....lb. 2.60 - 2.75
Herring, crude, tanks, Pac. coast..lb. No prices
Juniper berry, dom., bots....lb. 6.50 - 8.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .65 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb No prices
Lavandin, cns.....lb. 4.00 - 5.00
Lavender flower, French, 38%-42% ester, cns..lb. 10.00 -17.00
30-32% ester.....lb. 6.00 -10.00
Russian, cns.....lb. 13.75 - —
Spike, Spanish, pure, cns...lb. 2.05 - 3.10
tech., cns.....lb. 2.10 - 2.80
Lemon, USP, Calif., cns.....lb. 3.25 - —
Messina, cns.....lb. 3.25 - 3.35
Terpeneless, bots.....lb. 40.00 -50.00
Lemongrass, cns., dms.....lb. 3.80 - 4.45
Lignaloe seed, Mexican, cns.lb. No stocks
Wood, Mexican, cns.....lb. 4.60 - 5.75
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns. lb 5.25 - 7.20
West Indian, cns.....lb. 6.00 - 7.50
expressed, West Indian, cns.lb. 13.50 -15.00
Linseed, raw, dms., c.l.....lb. .353 - —
l.c.l.....lb. .357 - .365
tanks.....lb. .345 - —
tankwagon.....lb. .347 - —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l. lb. .333 - —
l.c.l.....lb. .337 - .343
tanks.....lb. .325 - —

When it Smells better ...It sells better!

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THAT SMELLS BETTER . . . SELLS BETTER

THAT SMELLS BETTER . . . SELLS BETTER

THAT SMELL BETTER . . . SELL BETTER

THAT SMELL BETTER . . . SELL BETTER

THAT SMELL BETTER . . . SELL BETTER

and this holds true with a great many other products

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MANUFACTURERS OF AROMATIC CHEMICALS, ESSENTIAL OILS, PERFUMES AND FLAVORS

Oil, lubricating,[3] 81 refinery, ex tax, California, neutral, pale, 200-800 vis., 2¾-4 pour, tanks..gal. .07½- .11
red, 200-900 vis., 4-6½ pour, plus tanks..gal. .07½- .11¼
Group 3, bright stock, 150-160 vis., 0.25 pour, tanks. gal. .23 - .25
neutral, 300 vis., No. 3, col., 0.10 pour, tanks.gal. .18½- .19
200-300 vis., No. 3, col., 15-25 pour, tanks.gal. .16 - .18
145-155 vis., No. 3, color, 10-25 pour, tanks..gal. .26 - .31
cylinder oils, 600-630 flash, tanks..gal. .17 - .19
600-650 steam, refd., tanks..gal. .18½- .20
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks. gal. .26 - .36
200 vis., 25 pour, tanks. gal. .28 - .38
Mace, dist., cns., dms.....lb. 6.75 - 7.50
Mineral, white (see Oil, white).
Mandarin, Brazilian, cns....lb. 5.25 -10.00
Menhaden, crude, tanks, Balto. lb. .21½ Nom.
refined, alkali, dms., c.l...lb. No prices
kettle-bodied, dms., l.c.l..lb. No prices
light-pressed, dms., l.c.l..lb. No prices
tanks .....lb. No prices
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., c.l.....lb. .30 - —
Neatsfoot, 15°, bbls.....gal. No prices
20°, bbls. .....gal. No prices
30°, bbls. .....gal. No prices
pure, bbls. .....lb. No prices
Neroli, French, bots.....lb.150.00 -390.00
Haitian, bots. .....lb.170.00 -200.00
Nutmeg, cns. .....lb. 6.75 - 7.50
Ocotea cymbarum, dms.....lb. .90 - .95
Officica, liquid, dms.....lb. .30 - .31
Oleo, extra, tcs., Chicago....lb. .38½- —
prime, Chicago.....lb. No prices
Olibanum, bots. .....lb. 5.00 - 6.25
extra fine.....lb. 6.25 - —
Olive, denat., dms.....gal. No stocks
edible, Calif., 3%-½% f.f.a., dms., extra, works..gal. No prices
imported, dms. .....gal. 8.50 - 9.00
foots, dms., c.l.....lb. No prices
tankcars .....lb. No prices
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - 1.75
expressed, USP, Brazilian, cns..lb. 1.45 - 2.00
Calif., cns. .....lb. 1.60 - 2.00
Florida, cns., dms.....lb. 1.45 - 1.80
Messina, coppers.....lb. No stocks
West Indian, cns .....lb. 2.25 - 3.75
sesquiterpeneless, bots .....lb.100.00 -114.00
Origanum, Spanish, cs. .....lb. 2.85 - 3.10
Palm, Niger, dms.....lb. No prices
Palmarosa, cns. .....lb. 8.50 - 9.50
Palmkernel, crude, bulk, c.l.f., N. Y..lb. No prices
Paraffin,[4] 300° flash, 100-110 vis., tanks, G.S..gal. .05¾- —
320° flash, 60-70 vis. tanks, G.S..gal. .05¼- —
350° flash, 70-80 & 100 vis., 0/10 pour, G.S..gal. .08 - —
80-85 vis., 0/10 pour bbls. extra, ind, ref'y..gal. .12 - —
100-110 vis., 0/10 pour same basis..gal. .08¼- —
10/25 pour, same basis.gal. .08¼- —
Patchouli, imported, cns.....lb.70.00 -114.00
Peanut, bleached, undeord., tankcars..lb. No prices
crude, tanks, works.....lb. .27 - —
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd., E.lb. No prices
hydrogenated, tankcars.....lb. No prices
Pennyroyal, dom., dms., cns.lb. 3.25 - 3.60
import, cns. .....lb. 4.25 - 4.50
Peppermint, natural, dms...lb. 7.75 - 8.15
redist., USP, dms.....lb. 8.30 - 8.75
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns...lb. 3.85 - 4.75
Pimento, berry, dms.....lb. 6.75 - 8.00
Leaf, cns. .....lb. 3.25 - 3.65
Pine, destructively dist., ret. dms., l.c.l., Jacksonville..gal. .78 - —
New Orleans.....gal. .75 - —
steam-dist., dms., dlvd. E.gal. .80 - —
Pineneedle, cns. .....lb. 3.55 - 3.65
Putty, petroleum, heavy, dms. gal. .18 - —
tankwagon .....gal. .13½- —
light, dms.....gal. .16½- —
tankwagon .....gal. .12½- —
Rapeseed, bulk .....lb. No prices
Red, single dist., ret. dms...lb. .29¾- .30¾
tanks, dlvd., E. of Rockies. lb. .28½- —
double dist., ret. dms.....lb. .32¾- .33¼
Rose, natural, coppers.....oz.31.25 -40.00
Rosemary, Spanish, tech., cns., dms..lb. 1.10 - 1.50
USP, cns., dms.....lb. 1.03 - 1.75
Rosin, 1st rectified, dms....gal. .66 - —
2d rectified, dms.....gal. .68 - —
3d rectified, dms.....gal. .72 - —
Rue, bots. .....lb. 4.75 - 5.25
Sage, Dalmatian, cns.....lb. 5.75 - 6.50
Spanish, cns. .....lb. 2.35 - 3.50
Sandalwood, NF, Mysore, cns., case lots..lb.11.15 -21.00
Sardine, crude, tanks Pac. coast..lb. .23½- —
refined, alkali, dms., l.c.l..lb. No prices
kettle-bodied, dms., l.c.l..lb. No prices
light-pressed, dms., l.c.l..lb. No prices
tanks .....lb. No prices
Sassafras, artificial.....lb. .80 - 1.10
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP XII, cns., dms..lb. 1.95 - 2.30
Savin, cns.....lb.27.00 - —
Savory, cns.....lb. 8.00 - —
Seal, No. 1, tanks, U.S. ports. lb. No prices
Sesame, tanks .....lb. No prices
Shingle stain, bbls., c.l., works. gal. .2185- —
l.c.l., works.....gal. .25 - .29
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean, clarified, dms., l.c.l. lb. .2680- —
tanks .....lb. .2557- —
crude, tanks, Decatur.....lb. .2400- .2450
winterized, tankcars, Decatur..lb. .25½ Nom.
ret. dms. .....lb. No prices
refd., alkali, tanks.....lb. .2227- —
foots, acid, 95%, tanks, dlvd. E..lb. No prices
raw, 50%, tanks, dlvd. E.lb. No prices
Spearmint, dms. .....lb.12.25 -15.00
Sperm, bleached, 38°, dms..lb. No prices
natural, 45°, dms.....lb. No prices
Spruce, cns., dms.....lb. 2.65 - 2.75
Sunflower, imported, refined, tanks..lb. No prices
semi-refined, tanks.....lb. No prices
Sweet birch, North, cns....lb. 5.00 - 7.25
South, cns.....lb. 2.50 - 3.25

Oil, tall, crude, dms., c.l., works. ton. No prices
l.c.l., works .....ton. No prices
tanks, works.....ton. .06 - .07¼
refined, dms., c.l., works..lb. .06¾- .08
l.c.l., works .....lb. .07¼- .08¾
tanks, works .....lb. .06 - .07¼
Tallow, acidless, bbls., c.l., Chicago..lb. No prices
tanks, Chicago .....lb. No prices
Tansy, cns. .....lb.12.00 - —
Tar, pine, crude, dms., c.l., dlvd. S. cities..gal. .32¾- —
l.c.l., works.....gal. .23½- —
tanks, dlvd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, red, NF, cns.....lb. 2.60 - 3.65
White, cns. .....lb. 2.85 - 3.75
Tung, dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .40 - .41
tanks .....lb. .38¾- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .30 - .45
Vetiver, Bourbon, cns.....lb.36.00 -42.50
Haitian .....lb.32.00 -35.00
Whale, ref., natural, dms...lb. No stocks
Winter bleached, dms.....lb. No stocks
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50-65 vis., dms., incl., c.l.gal. .40 - —
l.c.l. .....gal. .43 - .47
65-75 vis., dms., dms. incl., c.l..gal. .41 - —
l.c.l. .....gal. .44 - .48
USP, 80/90 vis., dms., dms. incl. c.l..gal. .43 - —
l.c.l. .....gal. .46 - .50
125/135 vis., dms., dms. incl., c.l..gal. .54¼- —
l.c.l. .....gal. .57½- .61¼

Oil, white mineral, USP, 145/155 vis., dms., dms. incl., c.l. gal. .56½- —
l.c.l. .....gal. .59½- —
175/185 vis., dms., dms. incl., c.l..gal. .59 - —
l.c.l. .....gal. .62 - .66
200/210 vis., dms., dms. incl., c.l..gal. .63 - —
l.c.l. .....gal. .66 - .70
335/345 vis., dms., dms. incl., c.l..gal. .71 - —
l.c.l. .....gal. .74 - .78
55, 70 and 85 vis., non-ret. dms., SanFrancisco..gal. .45 - —
smaller lots, same basis. gal. .47 - .50
100 vis., non-ret. dms., 65 dms., San Francisco..gal. .56½- —
smaller lots, same basis. gal. .57½- .61½
145 vis., non-ret. dms., 65 dms., San Francisco..gal. .64 - —
smaller lots, same basis gal. .66 - .69
180 vis., non-ret. dms., 65 dms., San Francisco..gal. .69½- —
smaller lots, same basis gal. .71½- .74½
340 vis., non-ret. dms., 65 dms., San Francisco.gal. .81 - —
smaller lots, same basis gal. .82 - .86
Wintergreen, natural, North, cns .lb. 5.50 -12.00
South, cns. .....lb. 3.65 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns. .....lb. 5.60 - 6.75
Wormwood, cns. .....lb.10.00 -12.25

Oil, ylang-ylang, Bourbon, extra, bots..lb.18.00 -24.00
first, bots. .....lb.14.00 -17.50
second, bots.....lb.10.50 -14.00
third, bots.....lb. 5.75 - 9.00
Oleostearin, loose, Chicago....lb. No prices
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works. ton. 7.00 - —
spalls, paper bgs., c.l., works. ton. 5.00 - —
Opium, USP, cns.....lb.21.30 -21.55
gran. .....lb.22.70 -23.95
powd. .....lb.22.70 -23.95
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies. lb. .85 - .86
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .18¾- —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c.; Ft. Worth, Tex., 1½c.; El Paso, Tex., 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dinitroaniline, toner.....lb. 1.12 - —
Molybdate, bbls. .....lb. .34½- —
Orthonitroaniline toner, bbls., kgs., works..lb. .86 - 1.05
Persian, bbls. .....lb. .30 - .45

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ESTABLISHED 1910 — AROMATICS DIVISION

Orange mineral, American, bbls., 5 tons, divd. Ala., Cal., Fla., Ga., La., Miss., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.14 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash., Mont., Wyo., Colo., N. Mex.	lb.	.14½- —
other points	lb.	.13¾- —
Orange mineral, Amer., bbls., smaller lots, Ala., etc	lb.	.14½- —
Ariz., etc	lb.	.15 - —
Colo., Mont., N. M., Wyo.	lb.	.14¾- —
other points	lb.	.14½- —
Orange flowers, cs.	lb.	.46 - .48
Orange peel, bitter, Haitian, bls.	lb.	.13 - .15
Sweet, bls.	lb.	.13½- .14
Oregano, Italian, bgs.	lb.	.27 - .27½
Mexican, curly leaf, bgs.	lb.	.10 - .10½
flat leaf, bgs.	lb.	.09¾- .10¼
Portuguese, bgs.	lb.	.24½- .25½
Orris root, Florentine, bls.	lb.	.40 - .41
Verona, bls.	lb.	.35 - .36
Portuguese, bls.	lb.	.35 - .36
Orthoamyiphenol, dms., works	lb.	.25 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloroanilin, dms.	lb.	.60 - —
Orthochlorophenol, dms.	lb.	.25 - .27
Orthocresol, 30.4° C., min., M.P., dms., c.l., works	lb.	.17½- .22
l.c.l., works	lb.	.18 - .18½
29° C. min., M.P., dms., c.l., works	lb.	.16½- .17
l.c.l., works	lb.	.17 - .17¼
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.07 - —
l.c.l., same basis	lb.	.08 - —
tanks, same basis	lb.	.06¼- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher		
Orthonitroanilin, dms.	lb.	.43 - .5b
Orthonitrochlorobensene, dms.	lb.	.15 - .16
Orthonitrodiphenyl, tech., grade A., dms., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.11 - —
grade B, dms., c.l., works	lb.	.06 - —
l.c.l., works	lb.	.07 - —
Orthonitroparachlorophenol, cns.,	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.83 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange crystals, bbls.	lb.	.29 - —
extract, No. 1, bbls.	lb.	.14 - —
Ouabaine, USP, bots.	gram	3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works	lb.	3.50 - —
small lots, works	lb.	3.75 - 4.15

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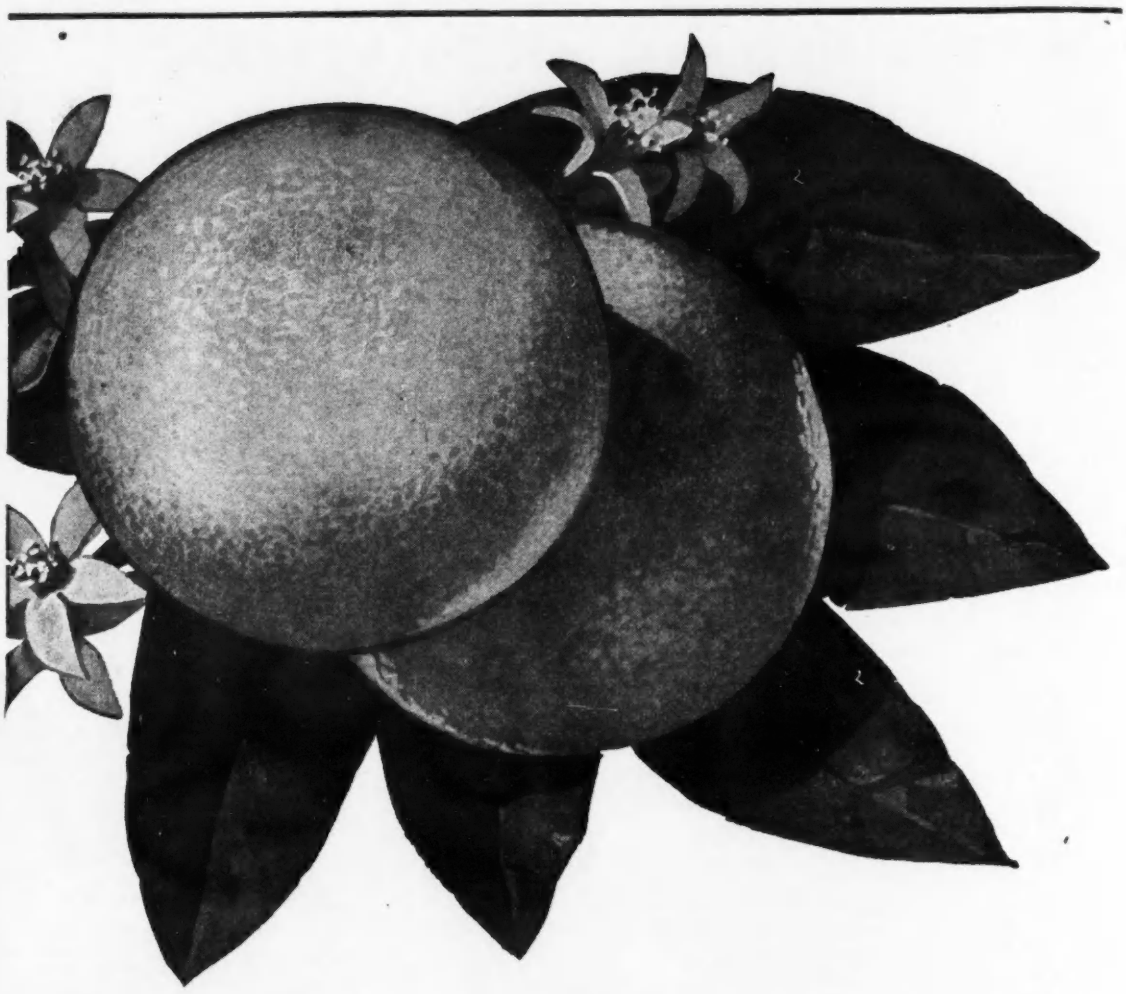
Papain, powd., cs.	lb.	5.75 - 6.00
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots	oz.	7.00 - —
smaller lots	oz.	7.05 - 7.35
Sulphate, cns.	oz.	7.10 - 7.35
Paprika, Calif., sweet Caliente, ground, bgs.	lb.	.40 - .41
Chilean, bgs.	lb.	.38 - .38½
Portuguese, bgs.	lb.	.38 - .41
Spanish, bgs.	lb.	.43½- .44
Para-anisidin, dms., works	lb.	.75 - —
Parachlorophenol, dms., c.l. works,	lb.	.24 - —
l.c.l., same basis	lb.	.25 - .27
Paracresol, bbls., works	lb.	.41 - —
Paracymene, dms., c.l., works	lb.	.1595- —
l.c.l., same basis	lb.	.1645- —
tanks, same basis	lb.	.1545- —
Paradichlorobenesene, dms., c.l. works	lb.	.11 - .12½
l.c.l., same basis	lb.	.12½- .17
Paraffin,[3] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery	lb.	.06¼- —
fully ref'd slabs, loose, 117-119 ASTM, c.l., refinery	lb.	.03 - —
123-125 ASTM, refinery	lb.	.0520- —
125-127 ASTM, refinery	lb.	.0520- —
128-130 ASTM, refinery	lb.	.0560- —
130-132 ASTM, refinery	lb.	.0585- —
133-135 ASTM, refinery	lb.	.0615- —
135-137 ASTM, refinery	lb.	.0640- —
Prices in bags 4/10c. lb. higher.		
Paraformaldehyde, dms. 1,000 lbs. or more, works	lb.	.21 - —
smaller lots, works	lb.	.22 - —
Paraldehyde, tech., 98% 55 and 110-gal. dms., l.c.l., wks.	lb.	.12 - —
10-gal. dms., works	lb.	.15 - —
USP, cbys., cns.	lb.	.35 - .45
Paranitroanilin, kgs., works	lb.	.41 - .43
Paranitrochlorobenzene, kgs., wks.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs., works	lb.	.30 - —
Paraphenylenediamine, tech. kgs.	lb.	1.25 - —
Paratoluenesulphonamide bbls.	lb.	.70 - —
Paratoluidin, bbls., works	lb.	.48 - —
Paris green,[4] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.26 - —
l.c.l., same basis	lb.	.27 - —
Passion flower herb, bls.	lb.	.30 - .32
Patchouli leaves, bls.	lb.	.38 - .40
Pectin, bbls.	lb.	1.25 - —
Penicillin,[4,6] ampule, per 100,000 unit.		.38 - —
Pennyroyal leaves, bls.	lb.	.24 - .25
Pentachlorophenol, dms., works,	lb.	.20 - .26
Pentaerythritol, CP, bbls. divd.	lb.	.75 - —
smaller containers	lb.	1.00 - —
tech., bbls., c.l.	lb.	.27 - —
l.c.l.	lb.	.31 - —
Pentane, 28°-38° C., industrial grade, dms., c.l., Group 3	gal.	.11 - —
l.c.l., dms., Group 3	gal.	.19 - —
tanks, Group 3	gal.	.07½- .07¾
28°-38° C, laboratory grade, 10-gal. cns., divd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., Group 3	gal.	.29 - —
Pepper, black,[7] bgs.	lb.	.82 - .84
futures, bgs., Nov.-Dec.	lb.	.52 - .53
Red, capsicum, Carolina longs, new crop, bgs., shipment point	lb.	.55 Nom.
sports, old crop, bgs.	lb.	No stocks
Louisiana, longs, new crop, bgs., shipment point	lb.	No stocks
sports, bgs.	lb.	No stocks
Niger, bgs.	lb.	.47 - .48
Chillies, Haitian, bgs.	lb.	.56 - .57
Mexican, long	lb.	.50 - .51
White,[7] bgs.	lb.	.70 - .72
Peppermint, dom., USP, bls.	lb.	1.20 - 1.25
imported, USP, bls.	lb.	1.25 - 1.30
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0772- .0800
Zone 2, same basis	lb.	.0832- .0850
Zone 3, same basis	lb.	.0882- .0900
Zone 4, same basis	lb.	.0876- .0900
l.c.l., Zone 1, same basis	lb.	.0882- .0850
Zone 2, same basis	lb.	.0832- .0900
Zone 3, same basis	lb.	.0882- .0950
Zone 4, same basis	lb.	.0926- .0950
Perchloroethylene zones are:—(1) Conn., Del., Ill. Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va. Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah Wash.		
Peru balsam, dms.	lb.	1.25 - 1.80
Petrolatum, tech., dark, bbls., c.l., Group 3	lb.	.021 - —
golden topaz, bbls., c.l.	lb.	.032 - —
l.c.l.	lb.	.036 - —
red, veterinarian, bbls., c.l.	lb.	.024 - —
l.c.l.	lb.	.028 - —
Petrolatum, USP, amber, non-ret. dms., c.l.	lb.	.04¼- —
l.c.l.	lb.	.05¼- —
extra amber, dms., c.l.	lb.	.04½- —
l.c.l.	lb.	.05½- —
cream, c.l., dms.	lb.	.05¾- —
l.c.l.	lb.	.07¾- —
white, lily, dms., c.l.	lb.	.06½- —
l.c.l.	lb.	.06¼- —
snow, dms., c.l.	lb.	.06¾- —
l.c.l.	lb.	.09 - —
soft, dms., c.l.	lb.	.06¼- —
l.c.l.	lb.	.07¾- —
yellow, soft, dms., c.l.	lb.	.05¾- —
l.c.l.	lb.	.05¾- —
Petroleum, crude, bulk, at wells, California, heavy grades	bbl.	1.28 - 1.98
Illinois	bbl.	1.67 - —
Kentucky, Union County	bbl.	1.62 - 1.67
Louisiana-Arkansas	bbl.	1.16 - 1.50
Montana	bbl.	1.20 - 1.60
Oklahoma-Kansas	bbl.	1.15 - 1.55
Pennsylvania, lower field	bbl.	3.28 - 3.35
Upper field	bbl.	1.66 - 3.00
Texas East	bbl.	1.60 - —
Gulf coast	bbl.	1.40 - 1.83
North, North-Central	bbl.	1.36 - 1.60
Panhandle	bbl.	1.08 - 1.50
West	bbl.	1.00 - 1.40
Wyoming	bbl.	1.15 - 1.55
Ether, laboratory grade, 30°-60° C, 10-gal. cns., divd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
35°-60° C, 10-gal. cns., divd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
40°-75° C., 10-gal. cns., divd. E.	gal.	.55 - —
dms., c.l., Group 3	gal.	.16 - —
l.c.l., same basis	gal.	.29 - —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 2.	gal.	.04¼- —
No. 3.	gal.	.04¼- —
Bayonne, No. 2, tanks.	gal.	.0610- .0640
California, heavy	bbl.	1.25 - 1.30
light	bbl.	1.35 - 1.40
diesel	gal.	.04¾- .05¼
Group 3, No. 1	gal.	.04¾- .04¾
No. 2, straw	gal.	.04½- .04¾
No. 3	gal.	.04 - .04¼
Oklahoma, No. 1, p.w.	gal.	.04¾- .05¼
No. 1, straw	gal.	.04¾- —
No. 2, straw	gal.	.04¼- .04¾
No. 3	gal.	.04 - .04¼
No. 6	bbl.	1.15 - 1.35
range	gal.	.04½- —
Pennsylvania, No. 1	gal.	.06¾- .07
No. 2	gal.	.06¼- .06¾
No. 3	gal.	.06¼- .06¾
36-40 gravity	gal.	.06¼- —
Bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.92 - —
Baltimore, Md.	bbl.	1.72 - —
Boston, Mass.	bbl.	1.96½- —
Charleston, S. C.	bbl.	1.83 - —
Jacksonville, Fla.	bbl.	1.63 - 1.83
New York, N. Y.	bbl.	1.92 - 2.02
Norfolk, Va.	bbl.	1.88 - 1.98
Philadelphia, Pa.	bbl.	1.92 - 2.02
Portland, Me.	bbl.	2.01 - 2.06
Providence, R. I.	bbl.	1.98 - 2.04
Savannah, Ga.	bbl.	1.88 - —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, divd. Los Angeles	gal.	.12 - —
Fort Wells, Wash.	gal.	.13 - —
East Coast, N. J., N. Y., tanks, refinery	gal.	.12½- —
Group 3, benzol type tanks,	gal.	.08¾- .09¾
toluol type, tanks	gal.	.08¾- .09¼
San Francisco	gal.	.11¼- —
Willbridge Ore	gal.	.12 - —
Mineral spirits, California, San Francisco, 168-252 b.r., tanks	gal.	.10½- —
198-296 b.r., tanks	gal.	.11¼- —
246-397 b.r., tanks	gal.	.11¼- —
312-408 b.r., tanks	gal.	.10 - —
362-458 b.r., tanks	gal.	.10 - —
East Coast, N. J., N. Y., tanks, refinery	gal.	.11 - —
Group 3, tanks, refinery	gal.	.07¼- —
Gulf coast, tanks	gal.	.07¾- —
tankwagon, Baltimore	gal.	.14½- —
Boston	gal.	.13 - —
Buffalo	gal.	.13½- —
Camden, N. J.	gal.	.11¼- —
Chicago	gal.	.1490- —
Detroit	gal.	.1710- —
Kansas City, Mo.	gal.	.143 - —
Lancaster, Pa.	gal.	.13 - —
Newark	gal.	.12 - —
New York	gal.	.12 - —
Philadelphia	gal.	.11½- —
Pittsburgh	gal.	.13 - —
Providence	gal.	.15 - —
Rochester	gal.	.13½- —
St. Louis	gal.	.149 - —
Syracuse	gal.	.15½- —
Washington, D. C.	gal.	.14½- —
Wilmington, Del.	gal.	.12 - —



You can't afford *not* to use it!

The flavor you put in your product is the *decisive ingredient*. For flavor is what the consumer buys. He judges *quality* by *taste*.

Exchange Oil of Orange gives you more *real orange flavor*, drop for drop or pound for pound, than any other orange oil. That's why more leading American manufacturers use it.

Compare Exchange Oil of Orange with any other offered. Give it all your tests for *quality*, *uniformity* and *strength*. Then you will buy Exchange Brand.

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DODGE & OLCOTT, INC.
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FRITZSCHE BROTHERS, INC.
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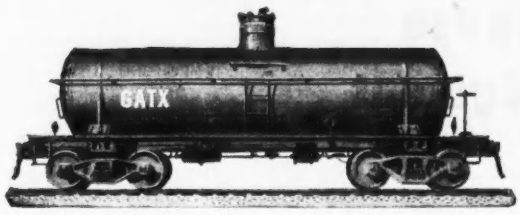
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

Exchange
OIL OF
ORANGE
U. S. P.

FOR RENT

TANK CARS



Tank car transportation of liquids in bulk, pioneered by General American has proved its versatility, its efficiency, its economy.

The General American fleet comprises more than 37,000 specialized tank cars . . . 207 different types of tank cars . . . designed for the safe and swift hauling of an almost infinite variety of liquids.

General American's strategically located offices, plants, and repair shops keep these tank cars at your service; provide you with precisely the type of tank cars you want, *where* you want them.

If your problem is the transportation of liquids in bulk, let the nearest General American office help you.

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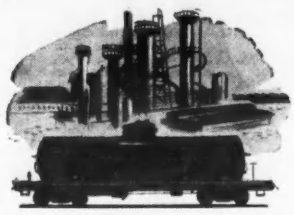
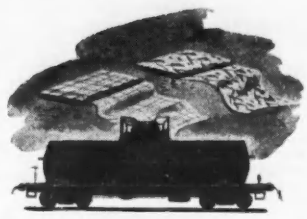
GENERAL AMERICAN TRANSPORTATION CORPORATION CHICAGO.



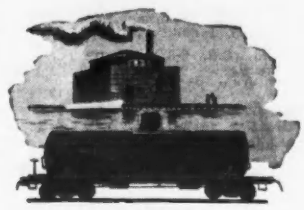
ALCOHOL

Clean, steel car, 6,000 to 10,000 gallon capacity.



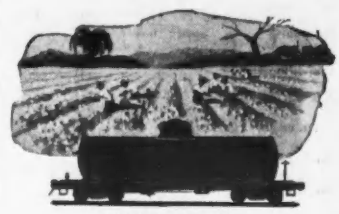
CAUSTIC SODA

Heavily insulated steel car, with or without heater coils, 8,000 or 10,000 gallon capacity. Usually specially lined.



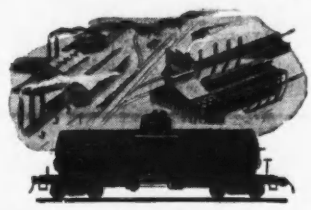
CHLORINE

Insulated, welded car; built to withstand pressure up to 500 pounds; 15 or 30 ton capacity.



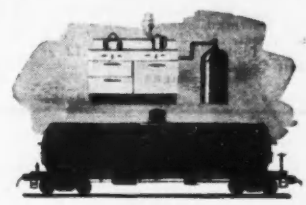
COTTONSEED OIL

Clean, steam coiled car of 8,000 gallon capacity.



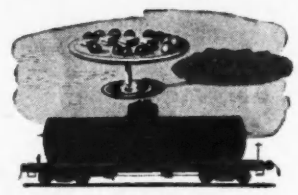
FUEL OIL

Steel car, steam coiled, 8,000 to 12,500 gallon capacity.



PROPANE

Heavily constructed car, welded and insulated. Built to withstand internal pressures to 300 pounds. Capacity 10,000 to 11,000 gallons.

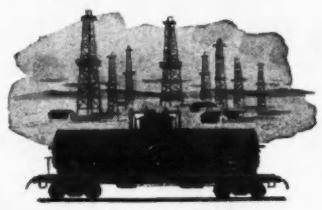


CORN SYRUP UNMIXED

Clean, steam coiled with heavy truck capacity. Usually lined with aluminum paint.

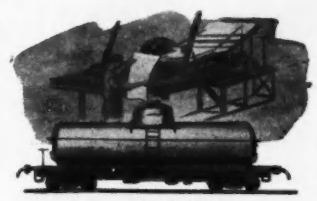
LUBRICATING OIL

Steel car, with steam coils, single or multiple compartment; usually 8,000 gallon capacity.



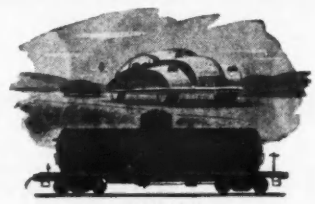
MURIATIC ACID

Car lined with pure or synthetic rubber; 8,000 to 10,000 gallon capacity.



ACETIC ACID

Aluminum Car, 8,000 or 10,000 gallon capacity.



GASOLINE

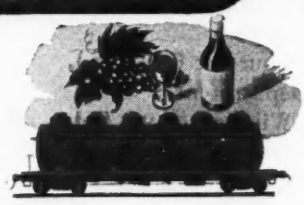
Clean car, 6,000 to 12,500 gallons; single or multiple compartment.

ASPHALT OR TAR

Heavily steam coiled car; with 2 or more inches of insulation; steam jacketed outlet; 8,000 to 10,000 gallon capacity.

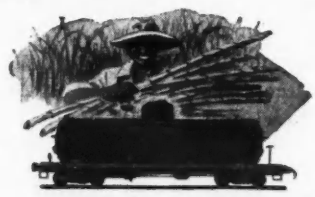
LARD

Clean steam coiled car, usually of 8,000 gallon capacity.



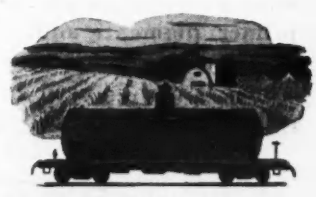
WINE

Insulated car with one to six compartments. Interior coated to preserve quality.



MOLASSES

Steam coiled car with heavy capacity trucks; 8,000 gallon capacity.



SULPHURIC ACID

Heavily constructed steel car with heavy truck capacity. Equipped to unload through dome.

Petroleum, naphtha, cleaners, California, tanks, San Francisco..gal. .13 - —
East coast, N. J., N. Y., tanks, refinery..gal. .11 - —
Group 3, tanks, refinery, gal. .08½- —
tankwagon, Newark....gal. .12½- —
Chicago .....gal. .14¼- —
Detroit .....gal. .15½- —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —
High-solvency, No. 8, tanks, Paulsboro, N. J..gal. .16 - .22½
No. 30, tanks, same basis, gal. .17 - .25
No. 40, tanks, same basis, gal. .17¼- .23
No. A-80, tanks, Carteret, N. J..gal. .21½- —
Chicago, Cincinnati, Detroit..gal. .24 Nom
No. B-90, tanks, all shipping points..gal. .24¼- —
No. F-80, tanks, Carteret, N. J..gal. .23 - —
V.M.&P., at refinery, California, 46.5, 254 i.b.p., 380 e.p., tanks, El Segundo..gal. .12 - —
Richmond .....gal. .12½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .1[illegible] - —
64-77, 190 i.b.p., 310 e.p., Los Angeles.....gal. .11 - —
San Francisco....gal. .11½- —
Portland, Seattle.gal. .12 - —
E. Coast, N. J., N. Y., tanks, refinery..gal. .12 - —
Gulf Coast (dlvd. New Orleans), tanks..gal. .09¾- —
Petroleum, naphtha, V.M.&P., tankwagon, Boston.....gal. .14 - —
Chicago .....gal. .140 - —
Detroit .....gal. .163 - —
Milwaukee .....gal. .164 - —
Minneapolis .....gal. .[illegible] - —
Newark .....gal. .13½- —
New York.....gal. .13 - —
Philadelphia .....gal. .13 - —
Pittsburgh .....gal. .14 - —
St. Louis.....gal. .159 - —
Solvent, rubber, at refinery, California, San Francisco gal. .26½-
East Coast, N. J., N. Y., tanks..gal. .12 - —
Group 3, tanks.....gal. .08¼- —
Stoddard (C.S. 8-53), at refinery:—
California (San Francisco), tanks..gal. .12 - -
East Coast, N. J., N. Y., Group 3, tanks.....gal. .07½- —
Pennsylvania, western, tanks..gal. .07¾- .08
tankwagon, Baltimore...gal. .14 - —
Boston .....gal. .13 - —
Chicago .....gal. .14½- -
Detroit .....gal. .16½- —
Milwaukee .....gal. .15½- —
Minneapolis .....gal. .1540- —
Newark .....gal. .13½- —
New York.....gal. .12 - —
Philadelphia .....gal. .11½- —
Pittsburgh .....gal. .13 - —
St. Louis.....gal. .14¼- —
Syracuse .....gal. .15½- —
Sulphonates, 63% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09¼- —
Petroleum sulphonates, 50% sulphonic content, ret. dms., c.l., works..lb. .09¾- —
l.c.l., works.....lb. .09¾- .10¾
tanks, works.....lb. .09¼- —
Phenobarbital, cns. .....lb. 3.60 - 3.70
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald. lb. .10¾- .11
l.c.l., same basis.....lb. .11½- .11¾
tanks, same basis.....lb. .09¾- .10½
92-84% (cresol, 16-18%), dms., c.l., same basis..lb. .10¾- .11¼
l.c.l., same basis.....lb. .11½- .12
tanks, same basis.....lb. .09¾- .10¼
USP, dms., c.l., same basis..lb. .10½- .12½
l.c.l., same basis.....lb. .11¼- .13¼
tanks, same basis.....lb. .10 - .11¾
Phenolphthalein, USP, bbls., dms., 2,000 lbs..lb. .85 - —
smaller lots.....lb. .87 - .92
Yellow, fib. dms., 2,000 lbs..lb. .80 - —
smaller lots.....lb. .82 - .87
Phenothiazin, NF, fib. dms., ton lots or more, works..lb. .40 - —
smaller lots, works.....lb. .54 - —
Phenylacetaldehyde, solution, 50%, bots..lb. 2.35 - 2.50
pure, bots. .....lb. 4.00 - 5.00
Phenylethyl acetate, dms.....lb. 1.65 - 3.00
Phenylethylphenyl, acetate, bots. lb. 5.35 - 7.50
Phenylhydrazin, base, CP, bots.lb. 4.55 - —
Hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol CP, fib. dms...lb.13.75 -14.75
tech., fib. dms.....lb.12.00 -12.55
Phosgene, ton lots, works.....lb. .19 - —
Phosphate, defluorinated (see under D).
Phosphate rock, Fla., land pebble unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l..... long ton. 2.60 - —
70%-68%, same basis.. long ton. 3.00 - —
72%-70%, b.p.l., same basis..long ton. 3.60 - —
75%-74%, b.p.l., same basis..long ton. 4.60 - —
77%-76%, b.p.l., same basis..long ton. 5.60 - —
entirely pebble 50c. per ton higher than above prices.
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum.. short ton. 3.15 - —
68%, b.p.l., basis 31% P_2O_5 minimum..short ton. 3.35 - —
70%, b.p.l., basis 32% P_2O_5 minimum..short ton. 3.70 - —
Tennessee, brown, unground, run-of-mine, 70-68% b.p.l., 5½% i. & a., same basis.. long ton. 5.50 - —
72%-70%, b.p.l., 5½% i. & a., same basis..long ton. 6.00 - —
refinery ground, 29% P_2O_5, same basis..long ton. 5.15 - —
30% P_2O_5, same basis.... long ton. 5.35 - —
31% P_2O_5, same basis..... short ton. 5.45 - —
32% P_2O_5, same basis.... short ton. 5.70 - —
33% P_2O_5, same basis.... short ton. 6.20 - —
Phosphorus, red amorphous, cs. lb. .40 - .44
tins, export.....lb. .55 - —
yellow, cns.....lb. .23 - .25
dms., c.l.....lb. .14½- —
Oxychloride, dms., c.l.....lb. .10½- —
l.c.l., dms.....lb. .12½- .15
Pentoxide, dms., c.l., works.. lb. .11 - .13
l.c.l., works .....lb. .13 - .14
Sesquisulphide, cs. .....lb. .38 - .42
Trichloride, dms., c.l.....lb. .10½- —
l.c.l. .....lb. .12½- .15
Phthalamide, bbls., works....lb. .35 - .40
kgs., works.....lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver..lb. .13 - .14½
l.c.l., same basis.....lb. .14 - .15½
Pichi leaves, ogs.....lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, bots .....oz. 5.00 - —
Pilocarpine hydrochloride, USP, bots., vis..oz. 5.25 - 6.50
Nitrate, bots., vis.....oz. 5.15 - 6.25
Pimento, Jamaica, bgs.....lb. .24 - .34½
Pinetar, retort, dms., incl., c.l., works, dlvd. E..gal. .31 - .37½
l.c.l., works, dms. incl..gal. .32 - —
tanks, dlvd. E.....gal. .27 - .29
Pinkroot, bls.....lb. 1.00 - 1.05
Piperazine hexahydrate, bots..lb.16.00 -17.00
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l., works.....ton.22.00 - —
Cottonseed, dms., works....lb. .04 - .06
Hardwood, paper bgs., works.. lb. .03½- —
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms.....100 lbs. 3.50 - —
stands, 200 lbs.....stand. 6.00 - —
Soybean, dms., works.....lb. .04 - .06
Plaster of paris (see Gypsum).
Podophyllin, dms. .....lb.12.25 -12.50
Pokeroot, bls.....lb. .16 - .17
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld. lb. .32 - —
20,000 lbs., frt. alld.....lb. .33 - —
smaller lots, frt. alld....lb. .34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.
Pomegranate, root bark, bgs..lb. .75 - .76
Poppy flowers, bls.....lb. .60 - .70
Seed, Argentine, bgs, futures. lb. .20½- .21
Danish, bgs. .....lb. .26 - .26½
Dutch .....lb. .25½- .26
Indian, white, bgs.....lb. No stocks
Swedish, bgs.....lb. .21½- .22
Turkish, bgs. .....lb. .22 - .22½
Potash abietate.....lb. .08 - —
Acetate, USP, dms.....lb. .28 - .33
Arsenite, USP, solut., cbys., djns..lb. .13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms..lb. .10 - .21
Bichromate, bgs., c.l., works. lb. .10 - —
l.c.l., works.....lb. .10½- .10¾
Potash bichromate in bbls. ¼c. higher.
Borate, gran., bbls., N. Y. or Chi..lb. .1015- —
Bromide, USP, cryst., gran., 500-lb. bbls., dms..lb. .25 - .29
Carbonate, calcined, bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
dms., l.c.l., same basis lb. .05¾- —
USP, gran., bbls., dms....lb. .14 - .20
powd., bbls., dms. ....lb. .19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works.. 100 lbs. 9.31 - —
l.c.l., works....100 lbs. 9.68½- —
liquid, dms., c.l., works.... 100 lbs. 8.56 - —
l.c.l., works....100 lbs. 8.68½- —
tanks, works....100 lbs. 8.06 - —
solid .....100 lbs. 8.56 - —
l.c.l., works.....100 lbs. 8.96½- —
regular, flake, 88-92%, dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld..lb. .03¾- —
l.c.l., same basis....lb. .03½- .03¾
tanks, same basis.....lb. .02¾- —
solid, 88-92%, dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
Chromate, bgs.....lb. .34 - .38
Chlorate, cryst., kgs., c.l., works..lb. .11 - .11¾
l.c.l., works.....lb. .119 - .130
powd., dms., kgs., c.l. works. lb. .09¾- —
l.c.l., works.....lb. .119 - .130
export, 1 to 10 tons, kgs., ex whse..lb. .16 - .18
Chloride, tech., cryst., 98% bgs., kgs lb. .08 Nom.
Citrate, USP, gran., bbls., dms..lb. .33½- .38½
powd. 3c. per lb. higher.
Cyanide, dms., works.....lb. .33 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% solution, cns. cbys..lb. 1.65 - 1.67
dms., 1,000-lb. lots.....lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
Guaiacosulphonate, NF, dms.lb. 1.65 - 1.75
Hydroxide, USP, sticks, dms.lb. .84 - .86
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.35 - —

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Potash iodide, bots., cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Manure salt, 22% K_2O, Carlsbad, N. M., unit-ton. .20 - —
25% K_2O, same basis unit-ton. .21 - —
Metabisulphite, gran., bbls...lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate,[6] dom., 60-62-68% K_2O, bulk, ex vessel ports..... unit-ton. .53½- —
granular, 50-52% K_2O, ex vessel U. S. ports..unit-ton. .53½- —
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M. are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.
Nitrate (see Saltpeter).
Oxalate, neutral, pure, gran., bbls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾- .11
Permanganate, tech., dms., works..lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l. works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .55
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l. works. ton.200.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret drums, c.l., works. 100 lbs. 4.25 - —
l.c.l., 5 or more, works... 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works.. 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate,[6] NF, gran.....lb. .14 - .20
powd., bbls .....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2O_4, min. 90%, ex vessel Atlantic or Gulf ports..ton.36.25 - —
West coast potash ports, same basis..ton.39.25 - —
Sulphocyanide, cryst., N.F., dms..lb. .62 - .70
Triocyanate (see Potash sulphocyanide)
Xanthate, dms.. c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works...oz.14.20 -14.95
Potash-magnesia sulphate,[6] bulk, min., 46% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .42
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .40 - .45
Berries, bgs. .....lb. .20 - .21
Prince's pine herb, bls.....lb. .50 - .65
Procaine hydrochloride, cns., 100-lb. lots..lb. 3.75 - —
smaller lots .....lb. 4.00 - —
Propane, industrial grade, tanks, Group 3..gal. .08¾- —
Propyleneglycol, dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls. .....lb. .60 - .65
Pumice, grd., fine, bgs., ton lots. lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0½, 1, 1¼, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04¼
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. .27 - .28
Purple lake (see Red).
Putty, com'l dms.....100 lbs. 3.15 - —
linseed oil, raw, dms...100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum, concentrate, dewaxed, 20% for aerosol bombs, dms., works..lb. 9.25 - 9.80
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., dms., regular base, works..gal. 6.05 - —
odorless base, dms., works, gal. 6.75 - —
(20 to 1), base 3 grams pyrethrins, per 100 cc., bbls., works..gal.10.00 - —
Pyrethrum, flowers, fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works, frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis. lb. .45 - .45¼
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis.....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh, same basis....ton.11.50 - —
Pyrophylite in paper bgs., $1.50 per ton extra.
Pyroxylin, scrap, opaque, amber, cs., works..lb. .17 - —
black, cs., works.....lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed mottled, cs., wks.lb. .14 - —
white, China, ivory, cs., wks. lb. .17 - —
dense, cs., works.....lb. .17 - —
translucent, pastels, cs., works..lb. .17 - —
transparent, cs., works....lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works, lb. .17 - —
mixed colors, cs., works..lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .08 - .09
Quebracho extract, solid, 63% tannin, bgs., c.l., ex dock, in bond..lb. .063125- .06525
clarified, 64% tannin, bgs., c.l., same basis..lb. .068125- .070625
dissolved, 35% tannin, bbls., works..lb. .04375- .0686
tanks, works.....lb. .04075- —
ground, 70% tannin, bgs., c.l. lb. .089 - —
l.c.l. .....lb. .0915- —
Quebracho extract prices based on $12 freight and $1 insurance per long ton.
Queen of the meadow root, bgs. lb. .12 - .15
Quercitron crystals, bbls.....lb. .22 - —
Extract, No. 1, bbls.....lb. .12 - —
solid, bgs. .....lb. .23 - —

Quicksilver, flasks (76 lbs net) flask.92.00 -93.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs., oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .89½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydriodide, cns., 100 ozs..oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.oz. No stocks
Salicylate, NF, cns., 100 ozs. oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80½- —
Sulphocarbolate, cns., 100 ozs. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs..oz. No stocks
Quinine-urea hydrochloride,[6] USP, cns oz. No stocks
Quinoline, dms., c.l., works...lb. .24½- .50

R

R salt, dry, bbls.....lb .65 - —
paste, dms. .....lb .52 - —
Raspberries, dried, bls.....lb. 2.20 - 2.25
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.....lb 1.10 - 1.90
Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.) Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c per lb higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.
Cadmium lithopone, deep shade, bbls., frt. alld. E of Rockies..lb. 1.05 - 1.30
light shade, bbls., same basis..lb. .90 - 1.10
maroon, bbls., same basis, lb. 1.15 - 1.25
medium shade, bbls., same basis..lb 1.00 - 1.10
medium-light shade, bbls., same basis..lb. .95 - 1.05
Orange-red, bbls., same basis..lb. .95 - 1.00
Red cadmium lithopone, all shades, in smaller pkgs 5c. per lb higher; all prices are 1c per lb. higher ex whse., Los Angeles and San Francisco.
Carmine, No. 40, dms., bulk, works lb 5.50 - —
smaller lots same basis..lb 6.10 - —
Red, crocus martis (see Red, purple oxide).
Dyes (see Dyes—Coal tar).
Eosin toner, bbls., works....lb. 1.35 - —
Firestoner, dom., bbls., works.lb. .85 - .93
Indian, dem., pure bls., Bethlehem, Easton, E. St Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis.lb .09¾- —
imp., English, all shades..lb. .12 - —
Iron oxide, pure, bbls.....lb. .09 - .09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O., Easton, Pa., and E. St. Louis..lb. .06¾- —
80% copperas oxide, bbls., same basis..lb. .085 - .09¼
Lacquer, maroon, bbls., works, lb. 1.25 - —
Lake C toner, alizarin, bbls., works..lb. .90 - .97
Lithol toner, alizarin, lake, bbls., works..lb. .65 - —
Pink, bbls., works.....lb. .20 - .28
Rose lake, bbls., works....lb. .25 - .28
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.15 - —
Maroon, alizarin lake, 25%, kgs., works..lb. .40 - —
Cadmium, bbls., works.....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works...lb. 2.62 - —
Metallic, bbls., works.....lb. .62 - —
Para toner, chlorinated, kgs.lb. .92 - —
concent., alizarin lake, kgs., works..lb. .70 - .75
Persian (see Orange).

When it's a battle against
TIME-
you'll appreciate the SERVICE you get on SKELLYSOLVE!
● When you are bending every effort to meet an emergency order, one little hitch along the line can throw the whole operation out of gear.
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There is a Skellysolve naphtha ideally suited for better production of top quality paint, varnish, oil cloth, ink, linoleum, and other related products, plus naphthas especially fractionated for all laboratory uses. Each is famed for low evaporation losses, close boiling ranges, purity, and uniformity. There is a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, plus many other special hydrocarbons. Write today for full information.
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SKELLY BLDG., KANSAS CITY, MO.

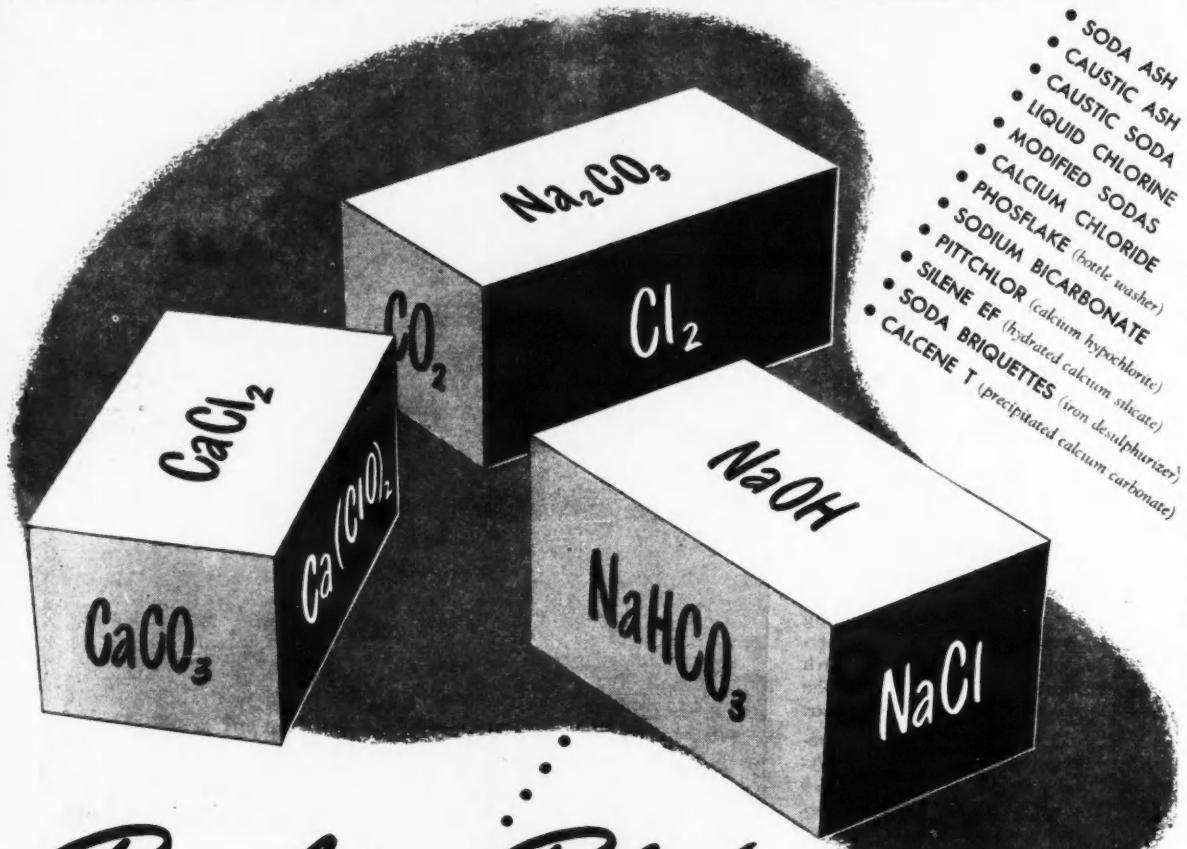
Red, phloxin toner (see Red, eosin toners).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04¾- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - 1.13
MNPT maroon toner, kgs., works..lb. 3.25 - —
Turkey, bbls., works.....lb. .14¼- —
Tuscan, bbls., E. St. L.....lb. .11 - —
Venetian, 5%, bbls., wks.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .0275- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .0325- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls.....lb. .25 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate, NF, powd., fib. dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .35 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP cryst., dms., frt. allo..lb. 1.60 - —
Rhatany root, bgs.....lb. .14 - .16
Rhubarb, whole, cs.....lb. 1.40 - 1.45
powd., bbls.....lb. 1.45 - 1.50
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, gran., powd., bbls., 5,000 lbs., 1 ship't..lb. .34½- —
smaller lots.....lb. .35 - —
Rose flowers, pale, bls.....lb. .33 - .34
Rosemary flowers, bs.....lb. 1.55 - 1.65
Leaves, French, bls.....lb. .13 - .14
Portuguese, bls.....lb. .08½- .09
Spanish, bls.....lb. .12½- .15

Rosin, gum—
B, dms., c.l.....100 lbs. 6.80 - —
D, dms., c.l.....100 lbs. 7.00 - —
E, dms., c.l.....100 lbs. 7.33 - —
F, dms., c.l.....100 lbs. 7.80 - —
G, dms., c.l.....100 lbs. 7.80 - —
H, dms., c.l.....100 lbs. 7.80 - —
J, dms., c.l.....100 lbs. 7.80 - —
K, dms., c.l.....100 lbs. 7.80 - —
M, dms., c.l.....100 lbs. 7.80 - —
N, dms., c.l.....100 lbs. 7.80 - —
WG, dms., c.l.....100 lbs. 7.80 - —
WW, dms., c.l.....100 lbs. 7.85 - —
X, dms., c.l.....100 lbs. No prices
Wood, B (resin), dms., c.l., works..100 lbs. 4.60 - —
FF, dms., c.l., works.100 lbs. 5.50 - —
G, H, I, dms., c.l., works. 100 lbs. 5.95 - —
K, dms., c.l., works..100 lbs. 6.00 - —
M, dms., c.l., works..100 lbs. 6.05 - —
N, dms., c.l., works..100 lbs. 6.15 - —
WG, dms., c.l., works.100 lbs. 6.25 - —
WW, X, dms., c.l., works... 100 dms. 6.40 - —
Rotenone,[1] bbls., works.....lb.12.05 - 14.50
extract, liq., dms., works..... per unit. 1.15 - —
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton.25.50 - —
c.l., mines.....ton.37.50 - —
Rue, bls.....lb. .45 - .46

S

Sabadilla seed, powd., bbls....lb. .55 - .70
activated, ground with lime, bbls..lb. .35 - .50
Saccharin, insol[illegible] and soluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots.....lb. 1.40 - 1.60
Saffron, Mexican, bls.....lb. 1.60 - 1.65
Spanish, USP, tins.....lb.38.00 -39.00
Safrol, cns.....lb. 1.10 - 1.15
Sage, leucophyla, bgs., Pacific coast..lb. .32 - .33
Cyprus, good, bls.....lb. .18 - .18½
futures.....lb. .17 - .17½
Dalmatian, bls., futures.....lb. .31 Nom.
Greek, bls.....lb. .29 - .29½
Palestine, bls.....lb. .16 - .16½
Spanish, bls.....lb. .13 - .13½
Washington, Dalmatian-type, bls..lb. .40 - .41
Sago flour, bgs.....lb. .10 - .12
Salicin, bots., 5 lbs.....lb. No stocks.
cns., 25 lbs.....lb. No stocks.
Saligenin, dms., works.....lb.15.00 -20.00
Salol, gran., bbls., kgs.....lb. .90 - —
fib. dms.....lb. .92 - .95
Powdered salol, 10c. higher.
Salt, rock, bgs., c.l.....ton.15.80 - —
l.c.l., bgs.....ton.20.60 - —
vacuum, common, fine, bgs., c.l..ton.16.90 - —
l.c.l., ...ton.23.40 - —
Saltcake, dom., bulk, works.ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots .....100 lbs. 8.35 - 9.00
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots .....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns.kilo.170.00 -185.00
Saponin, No. 1, cns.....lb. 1.75 - 1.90
No. 2, cns.....lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .45 - .50
Honduras, bls.....lb. .45 - .47
Mexican, bls.....lb. .45 - .47
Sassafras bark, ord., bls.....lb. .45 - .50
select, bls.....lb. .69 - .75
Savory, Calif., bls.....lb. .75 - .76
Spanish, bls.....lb. .22 - .22½
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.30 - —
powd., cns.....lb. 1.35 - —
Root, bgs.....lb. .10 - .13½
Schaeffer's salt, bgs.....lb. .46 - —

Seidlits mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd., cns., 10-lb. lots.. lb. 1.85 - —
cs., 1,000-lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.40 - 2.50
Senna leaf, Alex., half-leaf, bls. lb. .27 - .28
siftings, bgs.....lb. .24 - .25
Tinnevelly, No. 1, bls.....lb. .24 - .29
2, bls.....lb. .22 - .27
3, bls.....lb. .20 - .24
powd., bbls., bgs.....lb. .24 - .29
Pods, bls.....lb. .14 - .21
Serpentaria root, bls.....lb. 2.75 - 2.80
Shellac, bleached, bonedry, bbls., 1,500-lb. lots..lb. .71 - —
Boston .....lb. .72 - —
Chicago .....lb. .72½- —
Pacific coast.....lb. .74½- —
refined, bbls., 1,500-lb. lot. lb. .78½- —
Boston .....lb. .79½- —
Chicago .....lb. .80 - —
Pacific coast.....lb. .82 - —
Bonedry shellac sales of less than 1,500 lbs., at following additions to prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.
Superfine, 100 bgs., Boston, N.Y. lb. .72 - .73
Chicago .....lb. .72½- .73
Pacific coast.....lb. .75 - .76
TN, 100 bgs., Boston, N. Y..lb. .67 - .68
Chicago .....lb. .67½- .68¼
Pacific coast.....lb. .70 - .71
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 99 bgs., cs., 1c. more.
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works. ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.30.00 - —
l.c.l., works.....ton.35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.50 -23.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
Hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.15.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works.. ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27
Silver bullion.....oz. .90¼- .91
Cyanide, cns., 100 ozs.....oz. .7486- —
Nitrate, bots., cns., 2,500-oz. lots..oz. .58¼- —
1,000-oz. lots.....oz. .58½- —
500-oz. lots.....oz. .58¾- —
single ounces.....oz. .59 - —
Neucleinate, USP, bots., dms., 1,000-oz. lots..oz. .399 - —
Proteinate, USP, bots., dms., 1,000-oz. lots..oz. .325 - —
Simarubra bark, bls.....lb. .87 - .88
Skullcap, Eastern, bls.....lb. .60 - .65
Western, bls.....lb. .50 - .55
Skunk cabbage root, bls.....lb. .45 - .50
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -16.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .65 - .70
Soapbark, bls.....lb. .27 - .28
crushed, bls., bbls.....lb. .32 - .33
cut, dom., bls., bbls.....lb. .32 - .33
imp., bbls.....lb. No stocks
powd., bbls.....lb. .30 - .31
Soda acetate, anhyd., dms., dlvd. lb. .08½- .10
cryst., NF, bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., dlvd....lb. .06½- .08
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Alkylbenzene sulphate, dms., works..lb. .13 - —
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd.....lb. .16 - .16½
Arsenate, dms., dealers, c.l., works..lb. .09½- —
l.c.l., works.....lb. .10¾- .11¼
Arsenite, grey, dms., dealers, c.l., works..lb. .09¾- —
l.c.l., works.....lb. .10¼- .11½
Soda arsenite, gray ¾c. higher in Chi., 2c. higher in Houston, Tex., and Palo Alto, Calif.
Ash, dense, 58%, bgs., c.l., 100 lbs. .90 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1. 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.18 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. .90 - —
bulk, c.l., works...100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.86 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —



• SODA ASH
• CAUSTIC ASH
• CAUSTIC SODA
• LIQUID CHLORINE
• MODIFIED SODAS
• CALCIUM CHLORIDE
• PHOSFLAKE (bottle washer)
• SODIUM BICARBONATE
• PITTCHLOR (calcium hypochlorite)
• SILENE EF (hydrated calcium silicate)
• SODA BRIQUETTES (iron desulphurizer)
• CALCENE T (precipitated calcium carbonate)

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PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
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Export Sales Agents for
THE BARIUM REDUCTION CORPORATION, SOUTH CHARLESTON, WEST VIRGINIA
"foremost American producer of Barium products"

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General Sales Agents for
THE NATIONAL SOUTHERN PRODUCTS CORPORATION, TUSCALOOSA, ALABAMA
"largest producers in the world of Refined Tall Oil"

Soda ash, light, 58%, bulk, c.l... 100 lb. .90 - —

Soda ash sales zones are: (1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 98°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Open market prices are 5 percent higher.

Benzoate, tech., bbls., 2 tons or more	lb.	.39	—
smaller lots	lb.	.40	- .41
USP, dms., 2 tons or more	lb.	.46	—
smaller lots	lb.	.47	- .52
Bicarbonate, USP, gran., bgs., c.l., works	100 lbs.	2.25	—
l.c.l.	100 lbs.	2.57½	- 2.59
Bichromate, bgs., c.l., works	lb.	.07¾	—
l.c.l., works	lb.	.07¾	- .08¼
Soda bichromate, in bbls., ½c. higher.			
Bifluoride, bbls., c.l., frt. alld. E.	lb.	.11½	—
l.c.l., same basis	lb.	.12	- .14
kgs., same basis	lb.	.12½	- .14
Bisulphite, powd., bbls., c.l., works	100 lbs.	3.00	- 3.10
l.c.l., works	100 lbs.	3.50	- 3.60
Soda bisulphite, solut., 32°, bbls., c.l., works	100 lbs.	1.30	—
l.c.l., works	100 lbs.	1.55	—
30°, bbls., c.l., works	100 lbs.	1.35	—
l.c.l., works	100 lbs.	1.60	—
35° bbls., c.l., works	100 lbs.	1.40	—
l.c.l., works	100 lbs.	1.65	—
40°, bbls., c.l., works	100 lbs.	1.55	—
l.c.l., works	100 lbs.	1.80	—
Bromide, USP, gran., bbls., 500 lbs., works	lb.	.25	—
dms., works	lb.	.25	- .29
Cacodylate, bots., dms	lb.	8.50	-10.50
Carbonate (see Soda ash, Soda monohydrate, Soda sal).			
Caustic, flake, powd., 76%, dms., c.l., works	100 lbs.	2.70	—
l.c.l., Zone 1, dlvd	100 lbs.	3.55	—
2, dlvd	100 lbs.	3.70	- 5.05
3, dlvd	100 lbs.	3.95	- 5.30
4, dlvd	100 lbs.	4.35	- 5.70
liquid, 47-49%, buyer's tanks, works, dry basis	100 lbs.	1.92½	—
sellers, tanks, works, dry basis	100 lbs.	1.96	—
73%, buyers' tanks, works, dry basis	100 lbs.	1.97½	—
seller's tanks, works, dry basis	100 lbs.	2.00	—
solid, 76%, dms., c.l., works	100 lbs.	2.30	—
l.c.l., zone 1, dlvd	100 lbs.	3.15	—
2 dlvd	100 lbs.	3.30	—
3, dlvd	100 lbs.	3.55	—
4, dlvd	100 lbs.	3.95	—

Caustic soda zones are same as soda ash.
Open market prices are 5 percent higher.

Soda chlorate, cryst., bgs., c.l., works	lb.	.06¾	—
l.c.l., works	lb.	.06½	—
powd., kgs., c.l., works	lb.	.06½	—
l.c.l., works	lb.	.07	- .08½
Chloride (see Salt).			
Chromate,[1] bbls., cks., c.l., works, frt. equald.	lb.	.09¾	—
l.c.l., works, frt. equald.	lb.	.09¾	- .09¾
Soda chromate in bgs. is ½c. less.			
Citrate, USP VIII, bbls.	lb.	.18½	—
dms.	lb.	.19½	- .22½
USP XII, gran., bbls.	lb.	.24	—
dms.	lb.	.25	- .29
powd., bbls.	lb.	.24½	—
dms.	lb.	.25½	- .29½
Cyanide, 96-98%, dms.	lb.	.14½	- .15
Diacetate, 33-35% acidity, bbls., dlvd.	lb.	.09½	- .10½
anhydrous, dms., dlvd.	lb.	.12½	—
Fluoride, white, 90%, bbls., c.l., works	lb.	.07	—
l.c.l., works	lb.	.08	—
95%, bbls., c.l., works	lb.	.07¼	—
l.c.l., works	lb.	.08¼	—
Soda fluoride prices at Los Angeles are f.a.s. works.			
Formate, bgs., c.l., works	lb.	.0635	—
l.c.l., works	lb.	.0650	—
Glutamate, monobasic, kgs.	lb.	1.04	- 1.06
Glycerophosphate, NF, crys., bbls., 100 lbs.	lb.	1.25	—
dms.	lb.	1.40	—
powder, 5c. higher.			
solution, 50%, cbys., cns.	lb.	.82	- .90
Hydrosulphite, dms., c.l., frt. alld.	lb.	.16¾	—
l.c.l., frt. alld.	lb.	.18	—
Hydroxide, USP, sticks, dms.	lb.	.24	- .25
Hypophosphite, NF, cns.	lb.	.67	- .70

Soda hyposulphite, cryst., bgs., c.l., works, frt. equald.	100 lbs.	2.25	—
l.c.l., same basis	100 lbs.	2.50	—
pea, cryst., bgs., c.l., works	100 lbs.	2.60	—
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.			
USP, cryst., bbls.	lb.	.10	- .12
Iodate, dms., jars	lb.	5.40	- 5.45
Iodide, bots.	lb.	2.53	- 2.57
dms., jars	lb.	2.42	—
Mandelate, dms.	lb.	3.25	- 3.35
Metaborate, gran., bbls., c.l., dlvd.	lb.	.0485	—
l.c.l., N. Y. or Chi.	lb.	.051	—
bgs., c.l., dlvd.	lb.	.0435	—
l.c.l., N. Y. or Chi.	lb.	.046	—
Metanilate, bgs.	lb.	.40	—
Metasilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.00	—
l.c.l., same basis	100 lbs.	4.90	- 5.30
gran., bbls., c.l., works, frt. equald.	100 lbs.	3.40	—
l.c.l., dlvd.	100 lbs.	4.40	- 4.55
Methylate, bots., works	lb.	1.00	—
cns., works	lb.	.55	- .60
dms., works	lb.	.45	- .60
Molybdate,[1] anhyd., kgs., works,	lb.	.47	—
crystals, bgs., works	lb.	.60	—
Monohydrate, bgs., c.l.	100 lbs.	2.90	—
works	100 lbs.	2.45	—
Naphthionate, bbls.	lb.	.50	—
Nitrate, dom., crude, 100-lb. bgs., c.l., works	ton.	30.05	—
bulk, c.l., works	ton.	27.00	—
refd., gran., bbls., 10 tons	100 lbs.	3.60	—
smaller lots	100 lbs.	3.75	- 4.00
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse.	ton.	38.50	—
bulk, same basis	ton.	35.50	—
Nitrite, 96-98%, bbls., c.l., works, frt. equald.	lb.	.06¾	—
West coast, ports	100 lbs.	8.00	- 8.05
l.c.l., dlvd.	100 lbs.	8.90	-11.00
Orthosilicate, anhyd., dms., c.l., works, frt. equald.	100 lbs.	4.50	—
l.c.l., same basis	100 lbs.	5.45	- 5.80
flake, dms., c.l., works	100 lbs.	3.10	—
l.c.l., dlvd.	100 lbs.	4.30	- 4.55
Oxalate, neut., bgs., works	lb.	.10	—
Pantothenate, dextrorotary, 100-gram bots.	per gram.	.10	—
Pentachlorophenate, briquets, bgs., works, frt. equald.	lb.	.17	- .18
powd., bgs., c.l., works, frt. equald.	lb.	.16	- .16½
l.c.l., works, frt. equald.	lb.	.17	—
kgs., l.c.l., works, frt. equald.	lb.	.19	—
Perborate, NF, bbls., c.l., works.	lb.	.14¾	—
l.c.l., works	lb.	.15½	—
Peroxide, dms., c.l., dlvd. E. of Miss.	lb.	.14	—
smaller lots	lb.	.17	—
Phosphate, dibasic, tech., anhyd., bgs., c.l., works.	100 lbs.	6.00	- 6.25
l.c.l., works	100 lbs.	6.40	- 6.75
cryst., bgs., c.l., works.	100 lbs.	2.55	- 2.70
l.c.l., works	100 lbs.	2.95	- 3.45
USP XII, dried, bbls., dms., works	lb.	.159	—
monobasic, anhydrous, bgs., c.l., works	100 lbs.	7.25	- 8.25
l.c.l., works	100 lbs.	7.65	- 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald.	100 lbs.	6.00	- 6.95
l.c.l., same basis	100 lbs.	6.50	- 7.00
cryst., bgs., c.l., works	100 lbs.	2.70	—
l.c.l., same basis	100 lbs.	3.10	—
kgs., c.l., works	100 lbs.	3.40	—
l.c.l., works	100 lbs.	3.80	—
USP (see Sodium phosphate, dibasic). Soda phosphate in bbls. 20c. higher.			
Prussiate, yellow, bgs.	lb.	.10¾	—
bbls.	lb.	.11	—
Pyrophosphate, ferric, dms., 10,000 lbs., works	lb.	.22	—
smaller lots, works	lb.	.22½	—
tetrabasic, anhydrous, bgs., c.l., works, frt. equald.	100 lbs.	5.25	—
Ricinoleate, tech., bbls.	lb.	.12	—
Sal, bgs., c.l.	100 lbs.	1.35	—
works, c.l.	100 lbs.	1.10	—
bbls., c.l.	100 lbs.	1.40	—
works, c.l.	100 lbs.	1.20	—
Salicylate, dms.	lb.	.52	- .54
Sesquicarbonate, bgs., c.l., works	100 lbs.	1.50	—
bbls., c.l., works	100 lbs.	1.70	—
l.c.l., zone 1, dlvd.	100 lbs.	2.70	—
2, dlvd.	100 lbs.	2.85	—
3, dlvd.	100 lbs.	3.10	—
4, dlvd.	100 lbs.	3.50	—
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.			
Sesquisilicate, dms., c.l., works.	100 lbs.	3.90	—
l.c.l., dlvd.	100 lbs.	5.15	- 5.30
Silicate, 40°, turbid, dms., c.l., works.	100 lbs.	.80	- 1.00
l.c.l., works	100 lbs.	1.05	- 1.60
tanks, works	ton.	13.00	-16.00
52°, turbid, dms., c.l., works,	100 lbs.	1.40	—
l.c.l., works	100 lbs.	1.65	- 1.80
tanks, works	ton.	25.00	—
Silicofluoride, bbls., c.l., works.	lb.	.06¼	- .07
l.c.l., works	lb.	.07	- .07¼
Stannate, dms., works, frt. alld. E.	lb.	.32½	- .36¾
Stearate, bbls., works	lb.	.19	- .24
Sulphate, NF, dried, powd., bbls.	lb.	.07	- .07¼
tech., anhyd., bgs., c.l., works.	100 lbs.	1.70	—
l.c.l., works	100 lbs.	1.95	- 2.20
cryst. (see Glauber's salt).			
USP, cryst., gran., bbls.	lb.	.07	- .10
Sulphide, cryst., bbls., c.l., works.	100 lbs.	2.40	—
l.c.l., dlvd.	100 lbs.	3.15	—
solid, bbls., c.l., works.	100 lbs.	3.15	—
l.c.l., dlvd.	100 lbs.	3.65	- 3.90
Sulphite, cryst., bgs., c.l., works.	100 lbs.	2.10	—
l.c.l., works	100 lbs.	2.35	—
bbls., c.l., works	100 lbs.	2.30	—
l.c.l., works	100 lbs.	2.55	—
powd., bbls., c.l., works.	100 lbs.	5.25	—
l.c.l., works	100 lbs.	5.50	- 6.00
Sulphocarbolate, USP IX, gran., bbls., dms.	lb.	.28	- .33
powd., bbls.	lb.	.30	- .35
Sulphocyanide, CP, dms.	lb.	.55	- .65
Sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis.	lb.	.06	—
l.c.l., same basis	lb.	.08	—
Sulphohydrate, flake, 70-72%, dms., c.l.	lb.	.04½	—
l.c.l., works	lb.	.06	—
liquid, 38%, tanks, basis 100%, works	lb.	.06¾	—
l.c.l., works	lb.	.06	—
Sulphoxylate, formaldehyde, dms., c.l., works, frt. alld.	lb.	.17¼	—
Sulphoricinoleate, bbls.	lb.	.13	—

Mathieson SODIUM CHLORITE
Mathieson LIQUID CHLORINE
Mathies BICARBONATE
ieson ONIC GAS
Mathieson SODA ASH
Mathieson DRY ICE
Mathieson CHLORINE DIOXIDE
Mathieson AMMONIA
Mathies CHROMOTEX
ieson LO-BAX
Mathie NEUTROTONE
Mathieson SANITATION HTH
athies PH-PLUS
ieson MAFOS
Mathies HTH BLEAC
Mathieson SODIUM METHYLATE
thies PURITE
ieson HTH-15
Mathieso CAUSTIC SODA

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Caustic Soda • Soda Ash • Bicarbonate of Soda
Liquid Chlorine • Chlorine Dioxide • Ammonia,
Anhydrous & Aqua • HTH Products • Fused
Alkali Products • Synthetic Salt Cake • Dry Ice
Carbonic Gas • Sodium Chlorite Products
Sodium Methylate

Soda thiocyanate (see Soda, sulphocyanide).
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., bgs. lb. 1.35 - —
Soda-ammonia phosphate, bbls., works, frt. equald. lb. .23 - —
Soda-cinchophen, bots., dms., works. lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont., 125-250 lbs. lb. .19 - .22
Soda-sulphadiazin, USP, dms., works. lb. 10.50 -10.60
Soda-sulphamerazin, dms., works. lb. 10.50 -10.60
Soda-sulphapyridin, powd., bots., dms., works. lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms., works. lb. 2.50 - 2.80
Solvent naphtha, dms., wks. gal. tanks, E. of Omaha, frt. alld. gal. .22 - —
Minnequa, Colo. gal. .26 - —
high-flash, coaltar, dms., works. gal. .30 - —
tanks, frt. alld. E. of Omaha to 3c. per gal. gal. .25 - —
Sorbitol, com'l, dms., c.l., works. lb. .21 - —
l.c.l., works lb. .21½ - —
Soybean meal,[7] 41%, bulk, c.l., Decatur. ton. 80.00 -90.00
Protein, alpha, bgs., 40,000 lbs., works. lb. No prices
20,000 lbs., works. lb. No prices
smaller lots, works. lb. No prices
Sparteinne sulphate, bots., cns. oz. 2.95 - 3.25
Spearmint leaves, bls. lb. .48 - .49
Spikenard root, bls. lb. .50 - .55
Spruce extract, liq., reg., tanks, c.l., works. lb. .01¾ - .02
pwd., super, bgs., c.l., wks. lb. .05¼ - —
Squaw vine, bls. lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs. lb. 1.60 - —
White, bls. lb. .10 - .12
powd., bbls., bxs. lb. .16 - .20
St. Ignatius beans, bgs. lb. No stocks
St. John's bread, edible, bls. lb. .10¾ - .11½
Starch, corn, pearl, bgs., c.l., 100 lbs. 4.32 - —
l.c.l. 100 lbs. 4.42 - —
Chicago, c.l. 100 lbs. 3.92 - —
powd., bgs., c.l. 100 lbs. 4.38 - —
l.c.l. 100 lbs. 4.48 - —
Chicago, c.l. 100 lbs. 4.03 - —

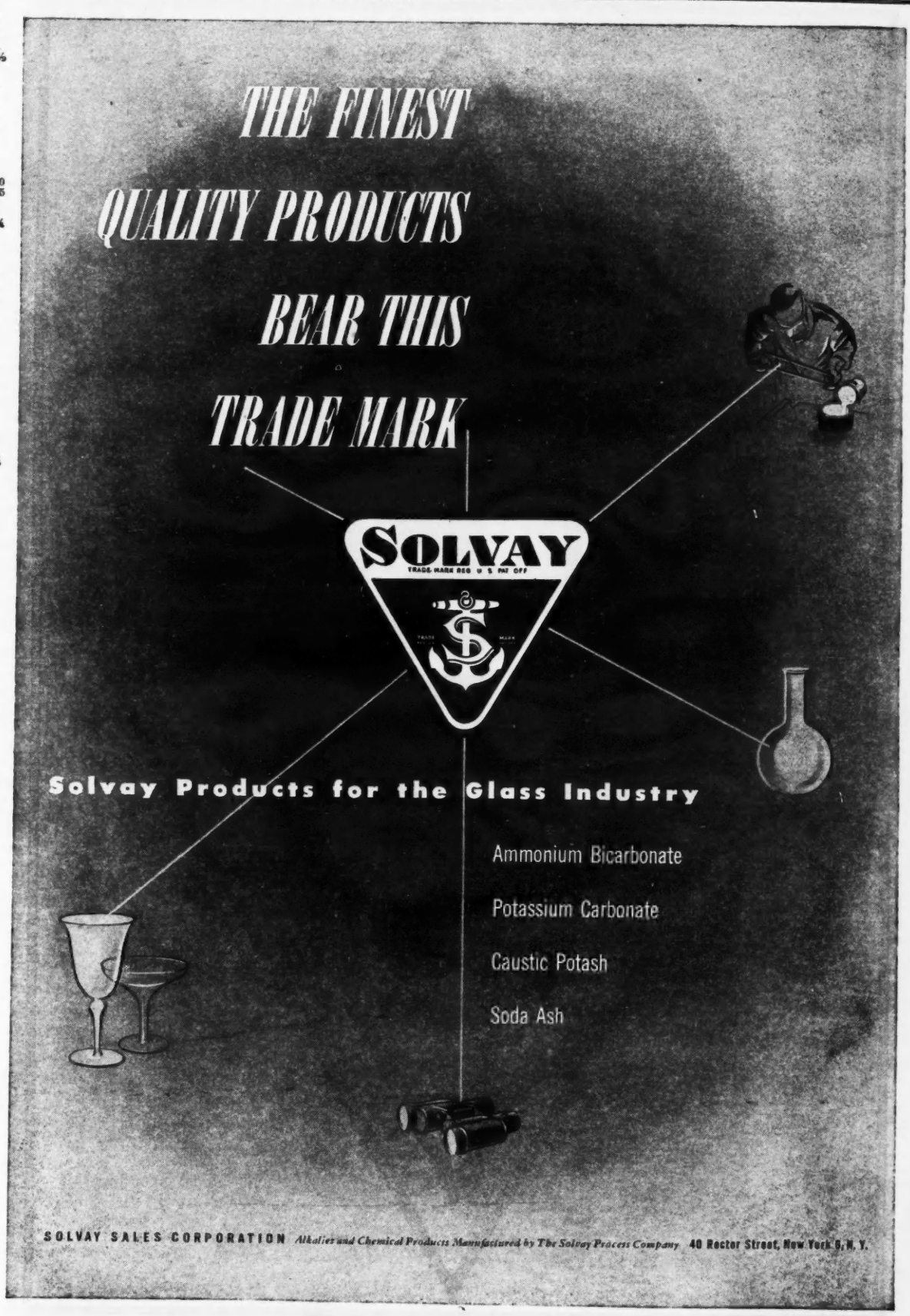
Cornstarch prices above are for paper bags; cotton bags are 20c. higher.

Potato, bgs., c.l. lb. .0735 - .0750
l.c.l. lb. .0810 - .1825
Rice, bgs., c.l. lb. No stocks
Sweetpotato, bgs. lb. .06½ - .06¾
Wheat, bgs. lb. 1.87 - —
Staves acre seed, bgs. lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .45 - .50
Stoneroot, bls. lb. .07½ - .08
Storax, cs. lb. 1.00 - 1.10
Stramonium leaves, bgs. lb. .20 - .25
Seed, bgs. lb. .20 - .21
Streptomycin, hospitals. gram. 3.00 - —
wholesalers gram. 6.40 - —
Strontium bromide, NF, cns., dms. lb. .53 - .55
Carbonate, 90%, bbls. lb. .14 - .16
98%, bbls. lb. .23 - .25
Chloride, tech., bbls. lb. .22 - .24
mesh 90%, bbls., works. ton. 56.00 - —
Chromate, bbls., kgs., drms. lb. .35 - .37
Iodide, bots. lb. 3.06 - 3.15
jars, 25 lbs. lb. 3.00 - —
Lactate, dms. lb. 1.30 - 1.35
Nitrate, bbls., c.l., works. lb. .07¾ - —
l.c.l., works. lb. .08¼ - .08¾
Oxalate, bbls., works. lb. .38 - .40
Salicylate, NF, dms. lb. 1.10 - 1.15
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works. ton. 58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works. lb. 2.50 - 2.85
Strophanthin, bots. oz. 30.00 -30.00
Strophanthus seed, Kombe, bgs. lb. 2.25 - 2.30
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrolyl acetate, bots. lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works. lb. .45 - —
tech., bbls., l.c.l., works. lb. .40 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphadiazine, USP, dms., works. lb. 9.00 - 9.10
Sulphaguanidin, dms., works. lb. 4.50 - 4.60
Sulphamerazin, dms., works. lb. 9.00 - 9.10
Sulphanilamide, USP, powd., bots., works. lb. 1.05 - 1.10
Sulphanilamide, 30-60 mesh, 10c. higher.
Sulphapyridin, powd., bots., tins, works. lb. 5.00 - 5.30
Sulphathiazole, USP, powd., dms., works. lb. 2.50 - 2.80
Sulphonethylmethane, kgs. lb. 6.75 - 6.85
Sulphonmethane, kgs. lb. 5.25 - 5.35
Sulphur, crude, c.l., bulk, mines, contract. long ton. 16.00 - —
vessels, Gulf ports, contract. long ton. 17.50 - —
flour, comm'l, 99½%, bgs., c.l., works. 100 lbs. 1.65 - —
l.c.l., works. 100 lbs. 2.00 - 2.11
precipitated, USP, bbls., kgs. lb. .18 - .36
refined, flour, extra fine, bgs., c.l., works. 100 lbs. 2.90 - —
l.c.l., works. 100 lbs. 3.25 - 3.40
heavy, bgs., c.l., works. 100 lbs. 2.80 - —
l.c.l., works. 100 lbs. 2.95 - 3.10
light, bgs., c.l., works. 100 lbs. 2.70 - —
l.c.l., works. 100 lbs. 3.05 - 3.20
flowers, USP, bgs., c.l., works. 100 lbs. 3.05 - —
l.c.l., works. 100 lbs. 3.40 - 3.55
Refined sulphur flowers in bbls., 35c. higher.
rock, bbls., c.l., works. 100 lbs. 2.20 - —
l.c.l., works. 100 lbs. 2.55 - 2.70
roll, bbls., c.l., works. 100 lbs. 2.40 - —
l.c.l., works. 100 lbs. 2.75 - 2.90
rubbermakers', bgs., c.l., wks. 100 lbs. 1.35 - —
Chloride, 35-gal. dms., c.l., works. lb. .03 - .03½
l.c.l., works. lb. .04 - .04½
10-gal. dms., c.l., works. lb. .07 - .07½
l.c.l. lb. .08 - .08½
Dioxide, liquid, com'l, cyls., c.l., works. lb. .07 - —
l.c.l. lb. .06 - —
multi-unit cars, works. lb. .06 - —
tanks, works. lb. .04 - —
refrigeration, cyls., l.c.l., works. lb. .13 - .16
Iodide, bots., jars. lb. 3.90 - 4.11
Sumac extract, No. 1, bbls. lb. .10½ - —
No. 2, bbls. lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .11 - .13½

Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a. bulk, production points, Balto. unit-ton. .70 - —
Florida unit-ton. .58 - .59
others unit-ton. .57 - .59
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c., per unit-ton plus frt. charges from Anaconda, Mont., in excess of $8.03 per ton; guaranteed 18, 19 or 20% a.p.a., ½c. per unit-ton higher.
triple, 48% or more, a.p.a., bulk, producing points, Florida. unit-ton. .68 - —
South Carolina. unit-ton. .75 - —
Tennessee unit-ton. .80 - —
Other States and D.C., 62c. per unit-ton plus frt. charge for 48% from E. Tampa, Fla.
Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls. lb. .90 - 1.00

T

Talc, dom., ordinary, grd., bgs., c.l., works. ton. 14.50 -24.50
l.c.l., works. ton. 16.50 -30.00
Calif., bgs., c.l., wks. ton. 22.00 -30.00
Pennsylvania, bgs., c.l., works. ton. 11.00 -13.50
l.c.l., works. ton. 12.00 -14.50
Vermont, bgs., c.l., works. ton. 14.00 - —
l.c.l., works. ton. 17.50 - —
fibrous, grd., off-color, New York, bgs., c.l., works. ton. 15.50 - —
Talc, dom., fibrous, grd., fine, New York, 325 mesh, 93-94%, bgs., c.l., works. ton. 17.50 - —
98 - 99.5%, bgs., c.l., works. ton. No prices.
99.85-99.95% bgs., c.l., works. ton. No prices.
imp., Canada, bgs., c.l. ton. 35.00 -44.50
Tallow, inedible, extra, loose. lb. .19¾ - —
special, loose lb. .19½ - —
sulphonated 50% (42% fat), dms., c.l. lb. No prices
(70% fat), dms., c.l. lb. No prices
Tallow, sulphonated, l.c.l., ½c. higher.
Tamarind, bbls. lb. .12⅜ - .12¾
Tankage, animal, feed grade, 9-11% ammon., bulk, unit-ton. 10.50 - —
Chicago unit-ton. 10.50 - —
fert. grade, 9% ammon., 10% b.p.l., bulk. unit-ton. No stocks
10-11% ammon., 15% b.p.l., bulk, Chicago. unit-ton. No stocks
Tapioca flour, bgs. lb. .12 - .12½
Java, bgs. lb. No stocks
Tar acid oil, 15-18%, dms., c.l., works. gal. .27½ - .30½
l.c.l., works. gal. .29½ - .32½
25%, dms., c.l., works. gal. .31½ - .35½
l.c.l., works. gal. .33½ - .37½
Tar, pine (see Pinetar).
Tara pods, c.l., ex dock U. S. ports. long ton. 87.25 - —
powd., c.l., same basis. long ton. 125.00 - —
Tarragon herb, bgs. lb. .60 - .65
Leaves, bgs. lb. 1.20 - 1.25
Tartar emetic, tech., gran. or powd., bbls., kgs. lb. .44 - —
dms. lb. .44½ - .47
Tartar emetic, USP, powd., bbls., dms., kgs. lb. .49 - .52
Terpin hydrate, com'l, bbls., c.l., lb. .24½ - —
lb. .25 - .28½
USP, cryst., bbls., dms. lb. .70 - .75
powd., bbls., dms. lb. .75 - .80
Terpineol, Alpha (see A).
com'l, dms., c.l., South. lb. .13½ - —
l.c.l., South. lb. .14 - —
tanks, South. lb. .13 - —
pure, dms. lb. .94 - .50
extra, dms. lb. .57 - .68
Terpinglycol ether, dms. (extra), c.l., works. lb. .19½ - —
l.c.l., works. lb. .20 - —
tanks, works. lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .80 - .87
prime, cns., dms. lb. .62 - .70
Terra alba (see Gypsum).
Tetrachloroethane, dms., works, lb. .06 - .06½
Tetrachloroethylene, NF VI, 55-gal. dms., works. lb. .20 - .21½
smaller dms., works. lb. .23½ - .25½
tech. (see Perchloroethylene).
Tetraethyl orthosilicate, dms., works. lb. .65 - —
Tetralin, dms. lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99%, bots., works. lb. 17.50 - —
Theobromine, dms., 25-lb. lots. lb. 3.75 - —
smaller lots lb. 3.95 - 4.10
Thiamine hydrochloride, dms., 100 grams or more. kilo. 160.00 - —
Thiocarbanilide, dms. lb. .24 - —
Thiouracil, dms., works. lb. 5.50 - 5.60
Thiourea, CP, dms. lb. .55 - .56
Thorium nitrate, cs., works. lb. 2.00 - —
Thyme, French, bgs. lb. .17 - .17½
futures, bgs. lb. .16 - .16½
Spanish, bls. lb. .13 - .13⅛


THE FINEST
QUALITY PRODUCTS
BEAR THIS
TRADE MARK
SOLVAY
TRADE-MARK REG. U. S. PAT. OFF.
Solvay Products for the Glass Industry
Ammonium Bicarbonate
Potassium Carbonate
Caustic Potash
Soda Ash
SOLVAY SALES CORPORATION Alkalies and Chemical Products Manufactured by The Solvay Process Company 40 Rector Street, New York 6, N. Y.

Thymol, cns. .....lb. 2.40 - 2.75
Iodide, dms. .....lb. 3.40 - 3.60
Timbo root (see Cube root).
Tin chloride,[6] anhydrous.....lb. No stocks.
crystals,[6] bgs., bbls.....lb. No stocks.
Metal,[6] .....lb. .52 - —
Bolivian .....lb. .63½- —
Straits .....lb. No stocks.
Oxide,[1,6] bbls. .....lb. .54 - .55
Tetrachloride,[6] anhyd., dms., works..lb. .31 - .33
Titanium dioxide,[4] chalk resistant, bgs., c.l., dlvd..lb. .15 - —
l.c.l., dlvd. .....lb. .15¼- .15¾
nonchalking,[4] bgs., c.l., dlvd. E..lb. .16½- —
l.c.l., dlvd. .....lb. .16¾- .17¼
plain, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd. .....lb. .14¾- .15¾
Hydride, cns., works.....lb. 7.00 - 8.00
Pigment, barium base,[4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Calcium base,[4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Calcium-rutile base,[4] bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd.....lb. .05¾- —
Magnesium base,[4] dlvd.....lb. .05¼- —
l.c.l., dlvd.....lb. No prices
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse, ¼c. higher.
Tetrachloride, CP, 55-gal. dms., works..lb. .57 - —
smaller pkgs., works....lb. .65 - 1.22
technical, 55-gal. dms., works. lb. .32 - —
smaller pkgs., works.....lb. .40 - 1.00
Tolu balsam, cns.....lb. 4.25 Nom.
Toluene (see TolueD.
Toluidin base, distilled, kgs...lb. .96 - —
Toluol (toluene), 2°, indust., ret. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
1°, nitration, ret. dms., works. gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
Tonga, 50% bark and vine, bbls. lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.70 - 1.80
Brazilian, Surinam, cs.....lb. .85 - .90
Totaquine,[6] USP XII, 100-ozs. tots..oz. .52 - —
Triacetin, dms., works.....lb. .26 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .53 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07¼- —
Trichloroethane, dms., c.l., works. lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .06 - —
Zone 2, frt. alld.....lb. .06½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —
Trichloroethylene, l.c.l. prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns., works..lb. .28 - .39½
dms., c.l., dlvd.....lb. .25 - —
l.c.l., dlvd.....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., c.l., works, basis 100%..lb. .34 - —
l.c.l., works, basis 100%...lb. .36 - —
tanks, works, basis 100%....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, anhydrous, cyl., works, frt. alld. E. of Miss., 100% basis..lb. .35 - —
solution, dms., c.l., frt. alld. E. of Miss., 100% basis..lb. .35 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .31 - —
l.c.l., same basis.....lb. .32 - —
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double-grd., bgs., c.l., works.. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, kgs.....lb. No prices
Turmeric root, Alleppey, bls...lb. .19½- .20
Haitian, bls.....lb. .14½- .15
Jamaica, futures, bls.....lb. .15½- .16
Madras, bgs.....lb. .16¼- .16¾
Turpentine, gum, ret. dms., c.l. gal. 1.16 - —
l.c.l. .....gal. 1.16 - —
tanks, Savannah.....gal. 1.11 - —
Wood, d.d., dms., East....gal. 1.09 - —
tanks, East.....gal. .95 - —
steam-dist., ret. dms., East. gal. 1.05 - —
tanks, East.....gal. No prices
Sulphate, ret. dms.....gal. .95 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l., ship. pts.....ton.70.50 -80.00
fertilizer comp., 42% N., bulk, c.l., works or Atlantic or Gulf ports..ton.57.40 - —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
imports, pure, cs.....lb. .12 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopewell, Va., NH_3, ton.112.60 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations.
Urunday, extract, 63% tannin, ex dock, U.S. ports..lb. .05625- .05875
Uva ursi leaves, bls.....lb. .16 - .19

V

Valerian root, Belgian, NF, bls. lb. .56 - .77
Indian, bls. .....lb. .42 - .63
Valonia, beards, bgs, ex dock.. ton.75.00 - —
Cups, bgs., ex dock.....ton.60.00 - —
Extract, powder, bgs., ex dock, lb. .11½- .11¾
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 8.00 - 8.75
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, tins.....lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs. or more..lb. 4.50 - —
smaller lots, tins.....lb. 4.55 - 4.65
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs. or more. lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works.lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Vitamin A (see Oils, codliver, halibut-liver).
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha.

W

Wahoo root bark, bls.....lb. 1.25 Nom.
Wattle bark, merchantable, bgs., f.a.s..ton.55.00 - —
fair average, bgs., f.a.s.. ton.57.00 - —
extract, liquid, 35% tannin, bbls., works..lb. .05¾- .06¼
tanks, works.....lb. .05¼- .05¾
solid, E. Afr., 61% tannin, ex dock..lb. .06095- .06345
S. Afr., 62% tannin, ex dock, lb. .0622- .0647
Wattle extract prices based on $12 freight and $1.00 insurance per long ton.
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs. .....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cs..lb. .65 - .70
slabs, bgs.....lb. .63 - .68
crude, African, bgs.....lb. .54 - .55
Western hemisphere, bgs.lb. .58 - .60
refined, yellow, bricks, bgs., lb. .60 - .62
slabs, cs.....lb. .59 - .61
Candelilla, crude, bgs.....lb. .77 - .78
refined, bgs.....lb. .80 - .83
Powdered, candelilla, 20 mesh, 5c. per lb. extra, 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.50 - 1.55
North Country, No. 2, bgs., ton lots..lb. 1.55 - 1.60
No. 3, bgs., ton lots.....lb. 1.50 - 1.55
refined, bgs., ton lots.....lb. 1.65 - 1.70

OPD—11-18-1946 33

MONSANTO

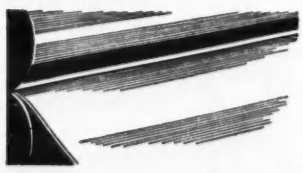
Aroclors for Lubrication at

HIGH TEMPERATURES

EXTREME PRESSURES

Among the many applications of Monsanto Aroclors, their use in specialized lubrication is of particular interest.

Their heat-resisting, non-inflammable characteristics make them especially suited for use as a hydraulic fluid under conditions of high temperatures, such as those encountered in governor systems in central stations.



For extreme pressure lubrication requirements present in the rolling of stainless steel and chromium iron, the Aroclors prevent surface seizure and consequent pitting of rolls and scoring of rolled surfaces.

General Characteristics of the Aroclors ... As a series, the Aroclors range in form and appearance from mobile oily liquids to fine white crystals and hard transparent resins. They are heavier than water — possess great adhesiveness, especially on smooth surfaces — have remarkable penetrating power — are water repellent and flame resistant. Their ability to withstand extreme pressure is unusual.

Send for Bulletin No. P-115. It contains detailed information that may suggest new and profitable uses to you ... Contact the nearest Monsanto Office, or write: MONSANTO CHEMICAL COMPANY, Phosphate Division, 1700 South Second Street, St. Louis 4, Missouri. District Offices: New York, Chicago, Boston, Detroit, Cincinnati, Charlotte, Birmingham, Los Angeles, San Francisco, Seattle, Montreal, Toronto.

MONSANTO CHEMICALS

SERVING INDUSTRY ... WHICH SERVES MANKIND

Wax, carnauba, yellow, No. 1, bgs., ton lots..lb. 1.90 - 1.95
No. 2, bgs., ton lots....lb. 1.88 - 1.93
Powdered carnauba prices, same differentials as powdered candelilla.
Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13½
138°-140° m.p., bgs.....lb. .15 - —
186°-142° m.p., bgs.....lb. .19 - .20
Japan, bgs. .....lb. No stocks
Microcrystalline, 170°-175° m.p., A.S.T.M., amber, ctns., 30 tons yearly contract, group 3, works..lb. .14¼- —
smaller lots, same basis. lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis..lb. .13 - .14
white, ctns. 30 tons, same basis..lb. .24¾- —
smaller lots, same basis.. lb. .25 - .26
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis. lb. .16½- .17½
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller ctns., same basis. lb. .15 - .16
white, ctns., 30 tons, same basis..lb. .28¾- —
smaller lots, same basis. lb. .29 - .30
Montan, bgs.....lb. .53 - .55
Ouricury, crude, bgs., ton lots, lb. .85 - .90
refined, bgs., ton lots.....lb. .95 - 1.00
Powdered ouricury prices same as powdered candelilla.

Wax, ozokerite, dom., 180-190 F., c.l..lb. .36 - —
182-184 F., bgs., c.l.....lb. .31 - —
182-183 F., bgs., c.l.....lb. .31 - —
Spermaceti, blocks, cs.....lb. .45 - .50
cakes, cs.....lb. .46 - .51
White lead (see Lead, white).
White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .23 - .24
Whiting, limestone, dry-grd., 325 mesh, bgs., 40 tons, N.E., works..ton. 6.50 - —
Penna. works .....ton. 9.00 - —
smaller lots, N.E., works. ton. 8.50 - —
wet-grd., air-floated, 360 mesh, 99½%, bgs., c.l..ton.16.00 -27.50
200 mesh, 99¾%, bgs., c.l. ton. No prices
90%, bgs., c.l.....ton. No prices
water-floated, extra gilders, bgs., c.l..ton.14.50 -23.00
gilders, bgs., c.l.....ton. No prices
putty grade, bgs., c.l..ton.22.00 - —
surface treated, bgs., c.l., Ohio, works..ton.27.50 - —
Paris white, bgs., c.l.....ton.25.00 -31.00
l.c.l. .....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .18 - .20
rossed, green, bls.....lb. .20 - .21
Wild indigo root, bls.....lb. .22 - .25
Witch-hazel leaves, bls.....lb. .20 - .22
Witherite (see Barium carbonate, natural).

Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton. No prices
60 mesh, same basis.....ton. No prices
80 mesh, same basis.....ton. No prices
100 mesh, same basis.....ton. No prices
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .27
Levant, bgs.....lb. 4.25 - 4.30
Wormwood, bls. .....lb. .50 - .60

X

Xanthorrhiza, bls.....lb. .28 - .30
Xylidin, mixed, dms.....lb. .35 - .36
Xylene (see Xylol).
Xylol (xylene), indust., ret. dms., works..gal. .27 - —
tanks, E. of Omaha, frt. alld..gal. .22 - —
West Minnequa, Colo..gal. .22 - —
10°, ret. dms., works.....gal. .30 - —
tanks, E. of Omaha, frt. alld..gal. .25 - —
5°, ret. dms., works.....gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .32 - —
3°, ret. dms., works.....gal. .42 - —
tanks, E. of Omaha, frt. alld..gal. .37 - —

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —

Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd.....lb. 1.45 - —
Cadmium, lithopone, all shades, bbls., frt. alld. E. of Rockies..lb. .55 - .60
Los Angeles and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.. lb. .18¾- —
Chrome, CP, bbls., dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.48 - —
primrose, bbls., same basis.lb. 1.90 - —
Iron oxide, nat., bbls., c.l., Bethlehem, Easton, Pa.. lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synthetic, bbls., c.l., works. lb. .0685- —
l.c.l., works.....lb. .0710- —
Mercury oxide, bbls., 1,000 lbs. lb. 2.43 - —
smaller lots.....lb. 2.45 - —
Ocher, American, golden, bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02¼
French type, bbls., c.l.....lb. .0845- —
l.c.l. .....lb. .0865- —
Persian orange (see O).
Zinc, bbls., same basis as chrome..lb. .17½- —
Yellow, zinc, Navy spec. type, bbls., contract..lb. .16 - —
Yellow dock root, bls.....lb. .33 - .40
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .30 - .32
Yohimbine hydrochloride, vis..oz. 2.25 - 4.00

Z

Zein, bgs., 1,000 lbs., works...lb. .25 - —
smaller lots, bgs.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd.lb. .18 - —
USP, bbls.....lb. .26 - .27
kgs. .....lb. .29 - —
Arsenite, bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .12¼
l.c.l., same basis.....lb. .12¼- .13½
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubber-makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
gran., dms., c.l., works... 100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
solution, 50%, dms., c.l., works. lb. .0315- —
l.c.l., works.....lb. .04½- .04½
tanks, works.....lb. .0250- —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .33 - .37
Dust,[6] bbls., c.l., dlvd.....lb. .1035- —
l.c.l., works .....lb. .1135- —
Fluoride, bbls., works.....lb. .18 - .19
Hydrosulphite, dms., works.lb. .16 - —
Iodide, NF, bots.....lb. 4.68 - 4.75
jars .....lb. 4.40 - —
Laurate, bbls.....lb. .32 - .38
Metal[1] (quotations in Protective Coatings market).
Naphthenates, 8%-10% Zn, dms., lb. .17¾- .21½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd.....lb. .06¼- —
American process, com'l, lead-free, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. .....lb. .06¼- —
leaded, 5%, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. .....lb. .06¼- —
35% or more, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. .....lb. .06¼- —
50%, bgs., c.l., dlvd.lb. .06 - —
l.c.l. .....lb. .06¼- —
French process, com'l, lead-free, bgs., c.l., dlvd.lb. No prices
l.c.l., dlvd.....lb. No prices
green seal, bgs., c.l., dlvd..lb. .09¾- —
l.c.l., dlvd.....lb. .10 - —
white seal, bgs., c.l., dlvd..lb. .10¼- —
l.c.l., dlvd.....lb. .10¾- —
red seal, bgs., c.l., dlvd. lb. .09¼- —
l.c.l. .....lb. .09½- —
USP, ctns., c.l.....lb. .11¼- —
l.c.l. .....lb. .11½- —
Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ¼c. higher than bgs.
Resinate, fused, 1% Zn, lump, precipitated, 8.40% to 9% Zn, powd., dms..lb. .13 - —
Silicofluoride, bbls.....lb. .15 - .16
Stearate, tech., ctns., 2,000 lbs. to c.l..lb. .49 - —
smaller lots, same basis.lb. .50 - —
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld..100 lbs. 3.40 - —
l.c.l., same basis....100 lbs. 4.15 - —
flake, bgs., c.l., same basis. 100 lbs. 3.80 - —
l.c.l., same basis....100 lbs. 4.55 - —
powd., bgs., c.l., same basis. 100 lbs. 5.35 - —
l.c.l., same basis....100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.
Sulphide, pure, bgs., c.l., dlvd. lb. .0640- —
l.c.l., dlvd.....lb. .0805- —
Barium pigment,[1] bgs., c.l., dlvd..lb. .0575- —
l.c.l., dlvd.....lb. .06 - —
dlvd..lb. .0575- —
l.c.l., dlvd.....lb. .0600- —
Fluorescent pigment,[1] works, frt. alld..lb. 1.00 - 3.00

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In Canada: Natural Products Corp., Montreal 2

Zinc sulphide, magnesium-pigment,[1] bgs., c.l., dlvd.. lb.	.0590-	—
l.c.l., dlvd.....lb.	.0615-	—
Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.		
Sulphocarbolate, NF, gran., bbls., dms..lb.	.26 -	.30
Sulphoxylate formaldehyde, basic, dms., works, frt. alld..lb.	.17 -	—
normal, dms., works, frt. alld..lb.	.35 -	—
Tallate, 5% Zn, dms.....lb.	.09¾-	—
Yellow (see Yellow, zinc).		
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.05 -	—
l.c.l., works.....100 lbs.	6.70 -	—
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld..lb.	2.00 -	2.90
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb.	.06¾-	—
l.c.l., dlvd. E. of Rockies. lb.	.07 -	—
Pac. cst.....lb.	.07¼-	—
ex whse., Pac. cst...lb.	.07¾-	—
Zirconium acetate, solut., bbls., works..lb.	.25½-	—
Hydride, cns., works.....lb.	7.00 -	8.00
Nitrate, bgs., works.....lb.	3.00 -	4.00
Oxide, 98%, grd., bbls., c.l., works..lb.	.22½-	—
l.c.l. .....lb.	.22¾-	—
white, 98¼%-99%, grd., kgs., works..lb.	.20 -	—
milled, electric, fused, 2,000-9,999 lbs., works.lb.	.46 -	—
500 lbs. and less, same basis..lb.	.46½-	.49
Oxychloride, cryst., bbls., 5 tons, works..lb.	.29¼-	—
Sulphate, basic, cake, bbls., c.l., works..lb.	.18 -	—
l.c.l., works.....lb.	.18½-	.20
smaller lots, works..lb.	.20 -	.21½

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the Nov. 4 issue of OPD.

CPA Decontrol

—Continued from page 3

pected to continue in operation until January, that is if the recommendations of the chemicals division are adopted by CPA administrator Small. There are two factors which officials feel make continuance of the order necessary:

The first is that producers of sulfa drugs have been encountering production difficulties because of raw material shortages and this is placing a heavier drain on supplies of penicillin since the two drugs are interchangeable for some ailments; and second even without a shortage of sulfa drugs, production and supplies of penicillin still have not reached a level safe enough to meet an extreme emergency.

The order on streptomycin, Schedule 119, also will have to be continued since commercial production still rides far behind the demand, although the CPA was able recently to suspend its quota system of distribution of the drug and now permits hospital and sanitariums to place their order directly with suppliers.

Two other orders which have been recommended for continuance are those controlling distribution and the use of molasses (M54) and allocation of potash (Schedule 120). The shortage of molasses for alcohol production and livestock feeding makes it imperative that this order remain in effect, officials said, while the order controlling potash distribution will have to continue to make certain that potash allocations which the agency has made through March 31 are carried out by the industry.

The end of OPA controls, in Mr. Small's opinion, will harm production if prices get out of line, but, he added, he believed that industry in general demonstrated during the price holiday last July that it doesn't want to throw itself out of business by increasing prices unnecessarily. The sweeping price decontrols, he said, should help get rid of a lot of distortion that existed in this field.

What is to become of the OPA, now that its functions have been limited by the President to price regulations over sugar, syrups, rice and rents, is under study at the present time by the Bureau of the Budget. It is expected that OPA, the CPA and other surviving war agencies will be lumped into a single agency.

Price Administrator Paul Porter refused to comment on reports that he will resign as soon as OPA's liquidation is decided, but it is known that his old job as chairman of the Federal Communications Commission is still open to him if he wants it. Mr. Porter became OPA chief last February when Chester Bowles became economic stabilization, a post he resigned last June.

The three-man price decontrol board meanwhile, plans to continue in existence until the end of all price control. The board submitted a report to the President November 13 expressing approval of his action in ordering the wholesale decontrol of prices by OPA and offering to stay on the job until the entire program is wiped out if he wishes it. Mr. Truman said he favored the board staying in existence.

Merck to Build New Vitamin Unit

A new manufacturing unit for the production of Vitamin B_6 will be erected at Elkton, Va., by Merck & Co., manufacturing chemists, Rahway, N. J. Approval for the four-building unit, which will cost $1,500,000 with equipment, has been granted by the Civilian production Administration.

Owens-Illinois Names Cosh to New Post

Richard A. Cosh, chief engineer for the Owens-Illinois Glass Company, has been promoted to the post of eastern factories' manager, in charge of all company plants east of the Rocky Mountains.

Lead Battery Scrap Offered by WAA

OPD Washington Bureau

A million pounds of government-owned surplus lead battery scrap at the Philadelphia Navy Base, will be offered in four lots of 250,000 pounds to highest bidders by the War Assets Administration. The scrap may be inspected by prospective buyers from November 19 to December 4, the last date for submitting sealed bids at the WAA central bid office, 121 North Broad street, Philadelphia.

Ordnance Plant Units Offered by WAA

Twenty-one buildings, providing a total of 266,000 sq. ft. of manufacturing space, which are part of the Mississippi Ordnance plant at Flora, Miss., are being offered for sale or lease by War Assets Administration. The structures, used during the war for manufacturing, warehousing and shipping purposes, will be disposed of in whole or in major groups for use in place.

McCabe to Direct Flintkote Co. Research

Dr. Warren L. McCabe, head of the chemical engineering department at the Carnegie Institute of Technology, will become director of research for Flinkote Company, New York, on February 1.

Trade Briefs

Paint is being made from salvaged ammunition in Germany. Three tons of ammunition are being used for that purpose at Wuerttemberg-Baden, according to a Department of Commerce report.

Oils and paints imported by Peru decreased 17.1 percent in value in 1944, according to statistics of the Superintendency General of Customs. They amounted to $2,332,320 and $2,686,060.

Red oxides of iron exported by Spain in the first quarter of 1946 totaled 1,572 metric tons, according to a report of the Department of Commerce. Exports in 1945 amounted to 4,219 tons. The United States was the principal customer, taking 2,133 tons in 1945.

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Positive Attitude Needed

With the passing of governmental controls on prices, production, and distribution, particular interest attaches to the new, or expanded, role of the Federal Trade Commission in connection with the establishment of trade practice rules. If the ideas of the commission pan out as they have been stated, business is to have another opportunity to enter upon a system of self-regulation. It is to be hoped that it will approach this opportunity with the proper recognition of its significance.

The Federal Trade Commission does not believe that business can rule itself with proper regard for the public interest. It points to the scores of trade practice codes which have been established under its guidance, and it notes that the effectiveness of those regulations does not have a very high rating. It points also to the experiences of the era of national industrial recovery attempts when business kicked out the window the biggest chance it possibly could have to escape from governmental regulation by way of effective self-control. The commission is willing to give it another chance.

These shortcomings are not characteristic of business as a whole, or of even the majority in any line. But, the recalcitrance of those who want no control by any agency—except for the other fellow—always wrecks the best-intentioned programs of fair practices. The thing that puzzles open-minded observers, within the ranks of business, as well as on the outside, is why business allows these obstructive, destructive minorities to exist. The answer is not, as some declare, in the antitrust laws. It is to be found in that negative attitude which, in its devotion to the status quo, be that whatever it may, is the heaviest handicap under which business labors in all its endeavors.

For Employment Peace

Management and labor are being called upon by those closely concerned (as observers) with their reciprocal difficulties to declare a truce for the period of the coming year. These counselors quite pertinently point out that the employment warfare—they usually call it "industrial warfare"—threatens the downfall of the whole economy of the United States—political, social, and commercial.

These advocates of an employment truce lay out excellent programs of what should be done—although they get a bit mixed up in their endeavor to keep wages going up and to hold the cost of living down. But, they do not get down to fundamentals. They present no *modus operandi,* no *modus vivendi.* They lay too much importance on full production, although some of them were working on so-called "industrial relations" back in the big days of "profitless prosperity" through overproduction, a relative term, of course, which still today means underconsumption largely because of the shortcomings of distribution.

Before there can be a truce between management and labor and the public welfare can be made a safe, as well as innocent, bystander, both elements of business must know the truth of that old saying:—

Every dispute has three sides: your side, my side, and the right side.

They must dig out from long disuse that fundamental tenet of sound, satisfactory human relations:—

I am wrong!

—And the Wagner act must be emended.

Money Doesn't Mean Much

Money is losing much of its importance as a medium of commerce. That may account in part for the absence of public dissertations and disputes with reference to the gold standard; although much of the silence on that subject results from the large extent to which those accustomed to dwell upon it are now busy trying to explain why business reconversion is hung up on dead center.

The real significance of the diminishing role of money is that it doesn't mean much. Money is plentiful, but its possession does not bring comfort or ease, or even necessities, to business or to the individual. Even the black markets and other profiteering practices cannot make money do what is needed to be done, because of the inadequacy of the supply of almost everything essential to that doing.

Business, especially in the fields of industrial materials, has been forced to return to barter as a means of getting what it wants. Supplies have been so reduced by strikes, inability to replace mechanical equipment, the endless sequence of shortages clear back to the first raw material, and other more or less correlated depressants that few, if any, industrial consumers, even the largest, can keep their production as much as limping along. In their necessity and in their recognition and consideration of the necessities of those who look to them for stuff with which to work, they must go far afield to find what they need.

As this condition is very common, there is quite general knowledge of what one another is most severely in need of. So, those who, in turn, need what another should be supplying help him in his search, knowing that, if they can find what he needs, they can swap it with him for what they need. That is going on everywhere every day. So, bank clearances are not now an accurate index of the volume of trade.

Washington Talks It Over

—*Continued from page 5*

ported by the co-ops were cheese factories, dairies, lumber mills, sawmills, coal mines, and such unusual rural enterprises as a gladiolus farm, a mink farm, and a gold dredger.

More Fertilizer Use Urged

Farmers used greater quantities of fertilizer during the war than ever before, but not more than half as much as it would pay them to use under conditions of national prosperity. This is one of the important conclusions of State Production Adjustment Committees, as presented in a report released recently by the Department of Agriculture.

Published as "Cropland Use and Soil Fertility Practice in War and Peace," a section on fertilizer practices points to the sharp contrast between fertilizer use in World War I and in World War II. In the first period fertilizer consumption fell materially below the prewar period. This was in part because of the cutting off of potash imports that had come from Germany. In World War II potash was supplied from domestic sources as well as substantial supplies of synthetic nitrogen.

Measured in terms of the principal active elements and compounds necessary for plant growth, fertilizer consumption was about 18 times as great in 1944 as the average in the five years before the war. The estimate of the State Production Adjustment Committees indicate that for prosperous periods the most economic supply would be nearly four times the prewar consumption and slightly more than double the 1944 consumption.

The corn belt states have used relatively small quantities of fertilizer, but increased their use during the war. If these farmers follow the suggestions of the state committees, that area would make the largest increase in use of fertilizer in the postwar days, and would rank second to the Appalachian states with the Southeastern states ranking third and the Lake states fourth in fertilizer consumption.

Surplus Disposal Drive

War Assets Administration is making a new drive to dispose of some of its products to little business. Faced with the prospect that disposal is going to be more difficult than ever now that most controls are gone and industry is being left up to its own ingenuity to get its goods on the market, the agency is leaving no stone unturned in its search for buyers while there still is some semblance of a sellers market.

The accent being placed by the agency on sales to little business is to be emphasized at the regional and district office levels. Six zone offices have been set up to be staffed with small business officers and each of the regional offices has been told to set up small business sections.

These sections are to be given the responsibility for the prompt execution of orders placed by RFC for resale to small business; and are to maintain contact with all commodity groups in WAA, assist commodity chiefs in planning sales programs, and maintain close contact with small business groups, Chambers of Commerce and other organizations interested in the welfare of small business.

Coal Heating Losing Ground

Recent warnings of the coal mine operators that continued demands of John Lewis for higher and higher wages for his miners will eventually price these workers right out of their jobs is not just an idle statement to cover up the refusal of the operators to yield to Lewis demands. Coal, as a heating fuel, is steadily losing ground in its economic battle with gas and oil.

The National Housing Agency has been getting reports regularly on the types of heating units going into new construction. Its latest figures show that 52 percent of installations are to use gas as fuel, 27 percent coal and 21 percent oil. In addition to the price angle, other factors believed to be involved in this choice is tne uncertainty of a steady supply of coal. The home builders want a fuel that is less susceptible to interruption by strikes or other causes.

Freight Names Are Puzzling

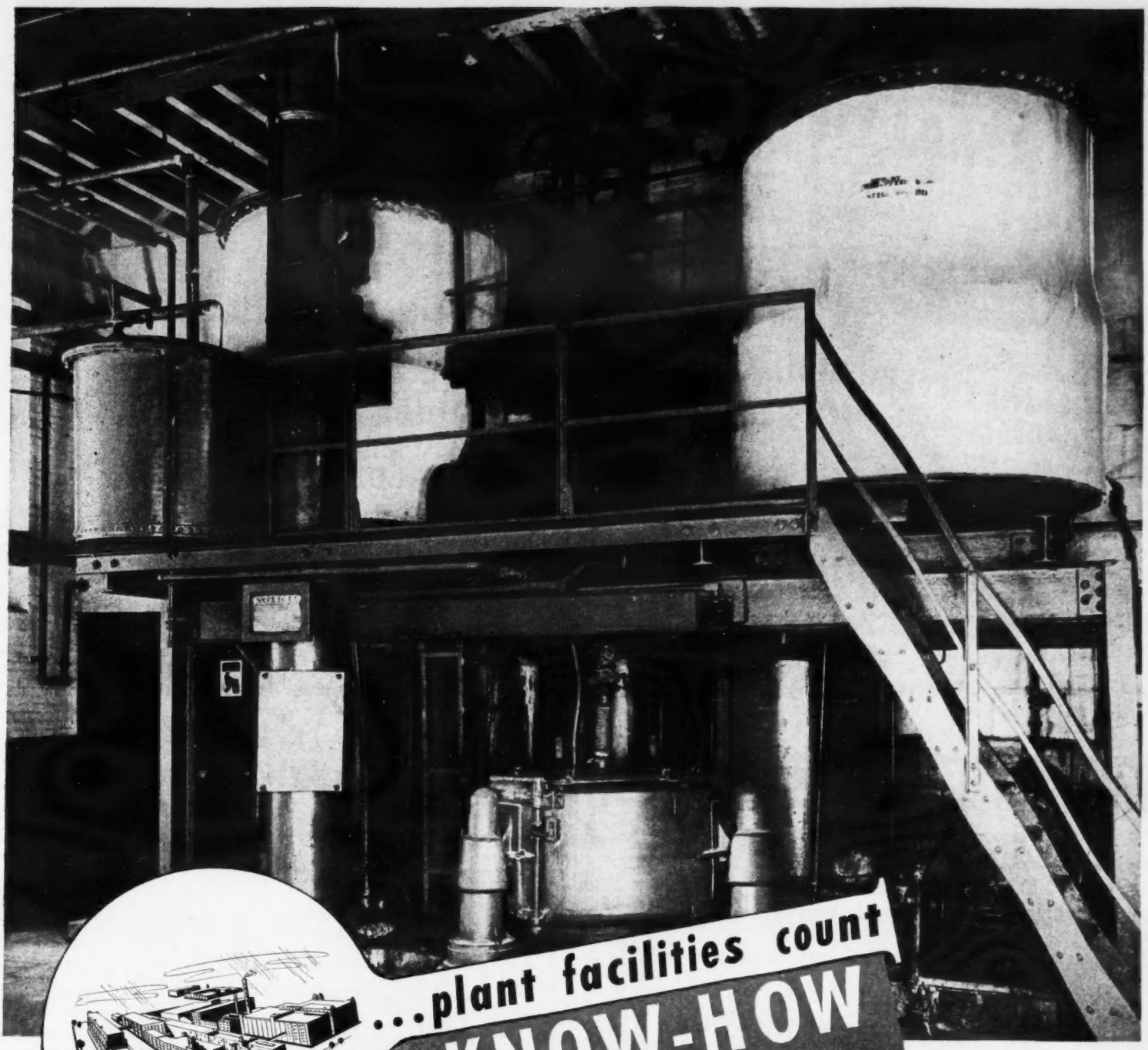
Motor truckers are starting a drive to end what they term a misdescription of freight shipments, which became a major problem during the war and which they say is still giving some shippers a competitive advantage. And, incidentally, they add, it is also causing a loss to them (the truckers) of millions of dollars annually in revenues.

Misdescriptions often are caused by inability of the shipper to determine the proper classification. Outstanding examples during the war were shipments of incendiary bombs, which were described as "empty bombs," and of cannon ammunition, described as small arms ammunition. A lot of the army's old clothes are being shipped as rags, even though they are being sold to second-hand clothing dealers at prices well above the ceiling for rags.

Export Control Problem

The fundamental problem now faced in the administration of export control is the constantly shifting supply situation with respect to individual commodities. New shortages will continue to develop, officials report, at the same time that the supply situation improves in other commodities until the domestic reconversion program is an accomplished fact.

Officials are hopeful that many commodities which are in critical supply at the present moment can be released from control within the next few months, but they admit it might be mostly wishful thinking. Past experience has indicated that some products that are scarce at present are likely to become major bottlenecks later on, requiring the reestablishment of some measure of export control.



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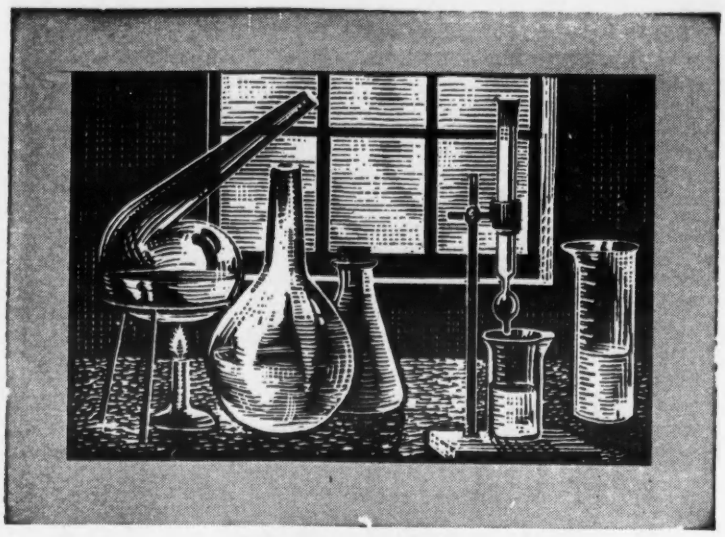

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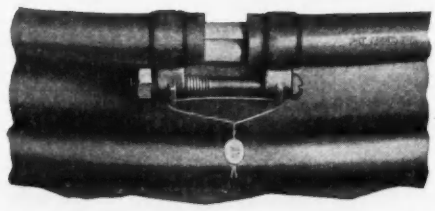

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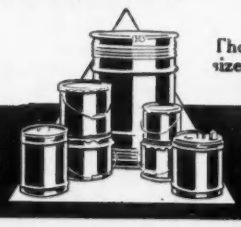

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Heavy Chemicals

Removal of price controls has intensified the inquiry for heavy chemicals. There was more interest in price developments last week than at any time since the war but the current shortage of stocks had a restricting influence on the amount of business placed. Producers as a rule are considering price adjustments but the number of actual changes to date have been relatively few. According to trade reports, producers are weighing conditions carefully but there seemed to be little doubt that a number of industrial chemicals will be placed on a level that will cover the fundamental costs of manufacture that have been mounting over the past four years. The overall supply situation did not change appreciably during the past week. Shipments in many instances are behind schedule which is indicative of short stocks, the shortage being emphasized in some directions more than in others.

At least one producer of soda ash, caustic and chlorine has named contract prices effective January 1, 1947. These show an advance of approximately 10 percent over former prevailing ceiling prices. It is expected that others will name prices this coming week. The sharp advance in copper metal has brought about higher quotations for copper sulphate, the increase amounting to one cent a pound. Other copper chemicals are expected to be revised upward and advances may be named at any time. The soda classification will probably reflect developments in the basic market, soda ash, and the prices of chlorine chemicals may be influenced by any adjustments in chlorine. Oxalic acid recorded an advance of ½c. a pound and may go higher while the lid is off of some of the other acids also. Carbon tetrachloride inventories are unusually low at present. No prices on lead acetate were obtainable most of the week.

Paper production as a percentage of six-day capacity was 106.8 in the week ending November 8, according to the American Paper and Pulp Association. This compares with 97.0 the previous week and 107.2 percent a year ago.

Production figures given below unless otherwise designated are from the Bureau of the Census.

Ammonia — Production of synthetic anhydrous registered a slight increase in September. The total was 77,492 tons, compared with 75,794 tons in the preceding month.

Alumina Sulphate—Not in plentiful supply but shipments are being made in both varieties on a fairly prompt basis at former selling prices.

Arsenic — Stocks remained inadequate to meet consuming requirements and the market held the same tight position recently noted. Prices were unchanged but firm on the basis of 5c. a pound for carlots of white powered.

Calcium Carbide — Firm under a steady demand for home and export. September production registered 53,940 tons, compared with 53,399 tons in the preceding month.

Calcium Phosphate — Output of monobasic in September was almost on a parity with August. The totals were 6,693,000 pounds in September and 6,738,000 pounds in the preceding month. Production of dibasic in September was 3,076,000 pounds, compared with 4,432,000 pounds in August.

Carbon Dioxide — September production of liquid and gas in September amounted to 18,869,000 pounds, against 24,279,000 pounds in August. Output of solid, dry ice, in September was 59,905,000 pounds against 72,292,000 pounds in the previous month.

Carbon Tetrachloride—Reported in very limited supply for prompt shipment. Production has been kept down by labor difficulties and the stringency in chlorine. The market's undertone was definitely firm with demand active for home and out of town shipments.

Chlorine — Firm with some producers higher in their views for future contracts. In one quarter 2c. per pound was named for single unit cars f.o.b. works for contracts beginning January 1, 1947. Current demand is running considerably ahead of production leaving the market supply position exceedingly tight. Production in September was placed at 104,520 tons, compared with a revised total of 102,550 tons in August.

Market Trends

Prices Advanced

Copper metal, 2¾c. per lb.
Copper sulphate, 1c. per lb.
Oxalic acid, ½c. per lb.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
173.5	172.2	172.2	168.9

Acids

Last week.	Prev. week.	Last month.	Last year.
116.3	116.0	116.0	116.0

(For Current Prices see Page 9)

Copper—Removal of price control has been followed by a sharp advance in the market. Suppliers named 17½c. a pound against the former ceiling of 14¾c. Copper stocks are universally low unless United States exports to Russia have overcome any shortage in that country. The imported metal has been selling at 17c. a pound against the domestic ceiling figure and it was expected that the removal of price control would at least occasion an advance equal to the parity of foreign material. The domestic supply at present is said to be considerably below demand.

Copper Sulphate — Higher prices have been named for this chemical. The market for 99 percent crystals in bags was quoted at 6.65c. per pound, a net advance of one cent. Monohydrate and the other grades were expected to show advances but at this time, no prices were available. The market position is firm, backed up by the sharp advance in the price of the metal.

Glauber's Salt—Commanding attention for glass and dyestuffs with stocks none too free. September production registered 13,455 tons, against 13,209 tons in August.

Potash Carbonate—Market position firm with demand continuing ahead of supply. The steady call for shipments has kept warehouse stocks at an exceedingly low level.

Potash Caustic—In a similar condition to carbonate of potash. Demand has overtopped production temporarily which means a short supply situation.

Potash Chlorate — Consuming demand for shipments has not abated and the market has revealed no improvement in buying conditions. Stocks are definitely short at present with deliveries running behind schedule. The movement to the match factories has been unusually heavy of late.

Salt Cake — Production of crude commercial in September was placed at 43,967 tons, compared with 43,779 tons in the preceding month.

Soda Ash—One of the major producers of soda ash has announced contract prices beginning January 1, 1947. The schedule shows an increase of approximately 10 percent above the latest OPA ceiling for light soda ash in bulk. A differential of 10c. per hundred pounds was established for dense over light ash in order to cover conversion costs which, it was stated, have increased more than other costs. Light ash was quoted at $1.00 per hundred pounds in bulk and dense ash $1.10 in bulk, carlots f.o.b. producer's plant. Other producers are expected to name prices very shortly. Market conditions have continued definitely tight with shipments going forward behind schedule. September production of light soda ash amounted to 168,278 tons, compared with 167,983 tons in August. Dense ash output in September registered 135,442 tons, compared with 139,678 tons in the preceding month. Natural production was 15,558 tons in September, against 17,054 tons in August.

Soda Bicarbonate — Production in September was placed at 16,558 tons,

For Late Market Developments, See Page 4

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compared with 17,054 tons in the preceding month. Shipments have continued behind schedule and the market at present is in short supply.

Soda Caustic—Supply conditions have continued definitely tight, consuming demand exceeding production. One of the producers has quoted contracts beginning January 1, 1947 at $2.75 per 100 pounds for solid in drums, carlots works and at $3.00 per 100 pounds for flake in drums, same basis. Liquid, 50 percent liquid-lime soda or rayon grade, $2.00 per 100 pounds, carlots, works. The regular electrolytic grade will be 10c. below the above prices. Quotations represent about a 10 percent increase over former OPA ceilings. Other producers are expected to make announcements of contract prices within the next day or two. September production of liquid by the electrolytic process was 102,209 tons, against a revised total of 99,870 tons in August. Production of solid by this process was 17,025 tons in September and 18,145 tons in August. Production by the lime soda process in September was 62,422 tons of liquid, against 63,745 tons in August and 19,606 tons of solid, compared with 20,504 tons in the preceding month.

Soda chlorate — Heavy consuming demand has been leveled off by steady production and the market has been kept in a fair state of balance which is quite the opposite to the present situation in chlorate of potash. Heavy shipments of the soda have continued to be channeled West where the demand for weed-killing requirements is reported extensive.

Soda Phosphate — No improvement in buying conditions for the different varieties could be noted. Short stocks have kept the markets in a tight position. September production of tribasic was 7,599 tons, against 7,958 tons in August. Output of dibasic was 4,840 tons in September, compared with 5,103 tons in the preceding month.

Soda Silicate—Market position exceedingly firm under the strong position of soda ash. Production down owing to difficulty in securing the basic material. September output of soluble silicate glass, liquid and solid anhydrous was placed at 34,650 tons, compared with 36,915 tons in August.

Soda sulphate — Production of the anhydrous or refined grade in September amounted to 8,008 tons, compared with 10,285 tons in the preceding month.

Tungsten — Geological Survey has announced that a preliminary report on the tungsten deposits in the Santa Rosa Mountains, Paradise District, Humboldt County, Nevada, has been released for public inspection in advance of publication. The report is based on a brief examination in 1943 of four small, relatively undeveloped tungsten deposits as part of a wartime program of investigation of tungsten deposits in Nevada. The report is accompanied by topographic and geologic maps which show a possible reserve of 8,700 tons of ore, carrying from 0.75 percent to 1.5 percent tungsten oxide. It is believed that total reserves may be increased by further exploration in the vicinity. Although the report is not available for distribution, persons interested in the deposits may inspect it in the open files of the Geological Survey in Washington, D. C., and Salt Lake City, Utah; and at the office of the Director of the Nevada Bureau of Mines, Reno, Nevada.

Vanadium—In terms of vanadium contained, receipts of domestic ore at

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mills in the third quarter of 1946 increased 48 percent over those recorded in the second quarter, according to the Bureau of Mines. First quarter receipts had established a record low since quarterly figures have been available (second quarter of 1942). Imports and consumption increased 134 percent and 7 percent, respectively. Domestic ore received at mills in the third quarter amounted to 326,812 pounds, imports were 279,541 pounds, and consumption was placed at 301,-269 pounds.

Acids

Acetic — No improvement could be noted in buying conditions. Demand at present is ahead of production and the market has developed a definitely tight position.

Chromic — Stocks short with shipments running behind schedule and movement confined to domestic consuming channels. Importations of 43,225 tons of chrome ore, mostly from South Africa, noted last week.

Hydrofluosilicic—Sales reported at former price levels. Supplies meet demand on a prompt basis. Moderate buying reported for breweries and chrome platers.

Muriatic — Production said to be better than a month ago although the active extent of consuming demand is keeping inventories down. Output in compared with 29,519 tons in August. September registered 29,789 tons.

Nitric—Firm and in relatively light supply for immediate shipment. September production amounted to 54,-136 tons, compared with 59,144 tons in the preceding month.

Oxalic — Higher prices have been established by this acid. While there has been some irregularity to the upward movement, producers have made an effort to cover the increased costs of making and shipping this chemical. The best price named for carlots to contract consumers wes 11¾c. with a range upward to 12¼c. a pound, works. Quantities of 10,000 pounds were quoted at 12c. to 12½c. and smaller lots 13 to 13½c. a pound, depending upon seller and quantity. The current supply situation is definitely tight.

Phosphoric — Consuming demand has kept ahead of production and there has been no appreciable improvement in buying conditions. September production from phosphorous amounted to 36,975 tons, compared with 34,454 tons in August. Output from phosphate rock was 36,719 tons in September and a revised total of 40,120 tons in the preceding month.

Sulphuric — Supply was reported short in this section with more demand for tankcars than for smaller quantities. September production was maintained at slightly above the August level. The totals were 764,592 tons in September, against a revised total of 762,674 tons in the preceding month. Included in the September output was 249,948 tons of chamber process acid and 514,644 tons of contact process.

Baltimore, Nov. 15.—Receipts of sulphuric acid making materials continue not plentiful, with production proceeding about as usual and with the output adequate for the needs of the government as well as the requirements of acid consuming industries with no immediate change in conditions in sight. Producing plants appear to be in good shape from the technical equipment standpoint, and the automatic character of the machinery permits them to run well up to capacity. As to prices, they remain about the same, with differences due to location and other considerations seemingly putting uniformity out of the question. Evidently there have been no developments which would call for a change in the set-up of the situation, with no movement under way to indicate any such intention or plan.

Mathieson Leases Lake Charles Fertilizer Plant

OPD Washington Bureau

The Department of Justice has given clearance to the lease by War Assets Administration of the Lake Charles synthetic ammonia plant to the Mathieson Alkali Works. Department approval also has been given to the sale of the Dixie Ordnance Works to Commercial Solvents Corporation.

Leasing of the Lake Charles plant to the Hercules Powder Company was at first approved by WAA, but because of certain difficulties that company subsequently indicated that the original terms were not acceptable. The plant was then offered to Mathieson Alkali Works, who was the war-time operator, which agreed to the lease on the same terms and conditions that had applied to the proposed lease with Hercules.

The lease is for a period of ten years, with an option to purchase at any time during the first four and one-half years under the usual WAA option formula based on a fair value of $9,534,731, including not more than $1,000,000 to be spent by the government for placing facilities in condition to operate. This expenditure includes also improvements and additions for water facilities, boiler equipment, machine shop equipment, and rehabilitation and completion of existing incomplete ammonia, nitric acid, and ammonium nitrate solution units.

The principle product of the plant will be ammonium nitrate and it is expected to be turned out at the rate of 40 to 50 percent of capacity during the first year and at 100 percent of capacity during the succeeding five years, or somewhere in the neighborhood of 25,000 tons of nitrogen equivalent in solid form suitable for fertilizer.

The Dixie Ordnance Works was sold to Commercial Solvents, its wartime operator, for $5,512,500. The plant has been shut down vince VJ-Day and will cost approximately $400,000 to return to operation. It has a designed capacity of 150 tons of ammonia a day. Installation of equipment to convert the ammonia to nitric acid and ammonium nitrate would require the expenditure of from $1,000,000 to $2,500,000.

Calcium Carbide Quotas Revealed

Allocations of calcium carbide from January 1, 1944, to June 30, 1945, based on chemical allocation records of the War Production Board, have been released by the Civilian Production Administration. Allocations were as follows:—

	Tons
Total allocations	1,244,662
Direct military*	103,537
Foreign	19,634
Other uses	1,121,491
Chemical uses†	393,373
Welding, cutting and lighting	333,556
Miscellaneous uses and small orders‡	394,562

* End-use data not available.

† Includes calcium carbide used for making acetic anhydride, acetaldehyde, vinyl acetate, polyvinyl chloride, trichloroethylene, tetrachloroethane, hexachloroethane, and perchloroethylene.

‡ Includes large amounts used for the preparation of neoprene.

Natural Rubber Buying By U.S. Continues

John R. Steelman, Director of Reconversion, has stated that United States purchases of natural rubber will not be abandoned in the near future. Governmental controls over the allocation and use of natural rubber in this country must be continued beyond March 31, subject to Congressional authorization, Mr. Steelman said. International allocation of rubber supplies will terminate on December 31.

WAA Offers Plant For General Purpose Use

OPD Washing on Bureau

A surplus war plant formerly operated by the Daybrook Hydraulic Corporation, Bowling Green, Ohio, for the manufacture of pontoon devices, and readily adaptable for general manufacturing uses, is being offered for sale or lease by the War Assets Administration. The property consists of a one and one-third acre land site and a one-story building containing 23,400 square feet of floor space.

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N.Y. World Trade Center Plan Tabled

The sole detailed plan evolved for a World Trade Center in New York City was tabled recently by the board of directors of the corporation appointed in 1945 by Governor Dewey to study development of the project.

The plan, based on the 700-year-old Leipzig in Germany, was opposed on the grounds that New York business would not support it sufficiently to maintain it on the suggested scale. The New York State Legislature had appropriated $100,000 to promote the program on the basis of the tabled plan. Total cost of the suggested Center would amount to $150,000,000 principally underwritten by the Reconstruction Finance Corporation with New York State cooperation.

Michigan Drug Group To Meet November 20

The Allied Drug & Cosmetic Association of Michigan will hold its annual business meeting at the Detroit-Leland hotel, November 20. Officers for the coming year will be announced at this meeting.

The annual Christmas party of the association will be held at the Book-Cadillac hotel, Detroit, on December 14. Reservations are being handled by W. E. Luff, of Mallinckrodt Chemical Works

Cotton Bag Orders

—Continued from page 5

sible to control distribution of cotton fabrics for bags. The committee said that because of this revocation cotton mills can now make anything they want, and that it is meaningless to attempt to control distribution and use of bags if mills are not required to set aside a definite percentage of their cotton fabric for these bags.

Members said, however, that they did not want to surrender the percentage of the mills' production guaranteed them under the M-317A set-aside, if this would mean that industrial and agricultural uses other than bags were granted an increase in their set-asides at the expense of the material available for bags.

The committee said that the industry would be able to get enough material for bags if the orders were revoked and there would also be enough bags for agricultural use. Members declared that in a free market bag manufacturers would be anxious to furnish bags for agricultural uses, since that is a steady, long-term market.

The committees predicted that the present heavy demand for bags for agricultural and other uses would continue at least through the first quarter of next year.

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With Lion Oil

Henry L. Taylor has been named a special sales representative for the chemical division of the Lion Oil Company, El Dorado, Ark. Mr. Taylor, twenty-three years a fertilizer broker, was formerly chief of the nitrogen unit of the War Production Board.

Switzerland Chemical Imports Increasing

OPD Washington Bureau

Swiss imports of chemicals for industrial use have increased steadily in value between each six-month period January - June, 1945, June - December 1945, and January-June, 1946, according to a Department of Commerce report. They amounted to approximately $3,900,000, $11,940,000 and $26,790,000, respectively.

National Standards Bureau Names Snoke Section Chief

Hubert R. Snoke, national authority on bituminous and other roofing materials, was recently named chief of the bituminous, detergent and miscellaneous materials section of the National Bureau of Standards. Mr. Snoke joined the bureau in 1920 and, since 1929, has specialized in roofing materials.

Int'l Minerals Building Sulphuric Acid Plant

Construction has been started by International Minerals & Chemical Corporation, Chicago, on a new sulphuric acid plant as an addition to its present commercial fertilizer plant at Spartanburg, S. C. It is expected to be ready for operation by June, 1947.

The new plant will enable the company to furnish all the necessary raw materials that it uses in the manufacture of its superphosphate at Spartanburg. The company already mines its own phosphate and potash. At present, its manufacturing facilities in Spartanburg include an acidulating plant and a mixing plant. When operating at full capacity, the new plant addition is expected to produce about 20,000 tons of sulphuric acid annually.

Conley, Elsea Celebrate Long Service with Eagle-Picher

Hugh Conley, sales manager of the white lead division, Eagle-Picher Lead Company, Cincinnati, recently celebrated his twenty-fifth anniversary with that firm. Mr. Conley joined the company in 1921. At the same time Albert Elsea, assistant to the white lead plant superintendent of Eagle-Picher, observed his thirty-first anniversary with the company.

Trade Briefs

Medicine College of Long Island has raised $250,000 toward a total of $350,000 for a proposed new building in Brooklyn, N. Y.

Dow Chemical Company's offering of $30,000,000 of fifteen-year 2.35 percent debentures has been oversubscribed and the books closed.

Fischer & Porter Company, manufacturer of variable area type flow rate instruments, heretofore called "Rotameters," has announced its intention to change the name of its products to "Flowrators."

Textile chemical division of the Dexter Chemical Corporation announces the development of "DEXENE No. 115," a new product designed to give a firm finish to cottons and rayons.

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Ethyl Ether Quotas For March-June, 1945

Allocations of ethyl ether (all grades) from March 1 to June 30, 1945, based on chemical allocation records of the War Production Board, have been released by the Civilian Production Administration. Allocations were as follows:—

	Pounds
Direct military and export[1]	6,000
Other uses	20,270,000
Explosives	10,917,000
Rubber manufacture	2,459,000
Basic medicinals	1,723,000
Ethylamine	1,152,000
Pharmaceuticals	595,000
Recovery of acetic acid	247,000
Mimeograph stencils	242,000
Dyestuffs	145,000
Ethyl centralite	144,000
Leather finishes	126,000
Adhesives and resins	113,000
Denaturants	100,000
Shoe cleaners	63,000
Meat casings	48,000
Miscellaneous uses and small orders[2]	2,187,000
Total allocations	20,276,000

[1] End-use data are not available.
[2] Includes ether used in research and in the manufacture of miscellaneous chemicals.

Atomic Research Reported in Canada

The twenty-ninth annual report of the National Research Council in Canada reveals that Canada is carrying on research on the application of atomic energy in war and in industry and on the use of its products in research and medicine.

Blickman Resigns

Louis M. Blickman has resigned as sales manager of the National Can Company, New York, and plans to organize his own can manufacturing company. Mr. Blickman had been with the company for thirty-four years.

Textile Chemists To Meet November 22

The New York section of the American Association of Textile Chemists and Colorists will meet at Kohler's Swiss Chalet, Rochelle Park, N. J., on November 22. Speakers will be Hans A. Holterhoff, of Newburgh Moire Company, who will discuss "Moire Finishing of Today's Fabrics," and L. L. Larson, of the nylon division of E. I. du Pont de Nemours & Co., who will speak on "Nylon Staple: Its Properties and Applications."

Chemicals Ltd. Plans To Open Toronto Office

Chemicals Limited, Montreal, will open an office and warehouse at 183 Front street east, Toronto, on January 2, 1947. In charge of the new office will be R. F. Murray, formerly executive assistant to the controller of the firm, and prior to that assistant purchasing agent for Sherwin-Williams Company of Canada, and W. G. Aird, recently released from the Royal Canadian Navy.

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Textile and Leather Chemicals

Market Trends

Prices Advanced
None

Prices Reduced

Corn, dextrin, 35c. per 100 lbs.
Corn sugar, chipped, tanners, 20c. per 100 lbs.
Cornstarch, 35c. per 100 lbs.
Cornstarch, powd., 35c. per 100 lbs.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
299.3	299.6	296.0	303.0

(For Current Prices see Page 9)

Feature of the sizing materials market last week, was the fractional declines of prices of cornstarch and dextrins. Reduction in prices reflected the lower cost of corn and the reported competition between leading suppliers. Consuming demand continued urgent for domestic sizing materials and production was readily absorbed. Inquiry was keen for tapioca flour on the spot and for prompt delivery. Offerings for shipment from Brazil were reported smaller in view of the sold up production for this season. Potato starch was in steady request against contracts and deliveries from mills were delayed by the shortage box cars and bags.

Removal of controls on chemicals developed little change pricewise as yet, as producers awaited the announcement of the 1947 contract schedules for alkalis, sulphuric acid and other basic chemicals, which were expected shortly.

While tanners showed more interest in tanning material replacements, trading continued quiet last week. Tanners inventories were stated to be large, and little improvement in actual business was expected until after the turn of the year. Most interest was centered in quebracho extract and wattle bark and extract. Business in quebracho was inactive, pending the announcement of prices and terms for export by the Argentine government. Offers of shipment of wattle bark and extract were scanty, it was reported, because of the limited supply available at producing centers and the shortage of bags.

Dyeing and tanning materials were removed from the positive list and placed on general license for export to group K countries by the Office of International Trade, November 7. The following materials no longer require individual licenses for export: Chestnut, quebracho, divi divi, mimosa, myrobalans and wattle extracts and crude divi divi, mimosa, myrobalans, and wattle bark. Also water softeners, purifiers boiler and feed water compounds containing chestnut extract.

Chemicals

Alumina, Acetate — Steady request was noted for delivery against current orders. Supplies were reported low. Prices were strong.

Bichromates — Active demand continued to absorb the current production. Market was firm. Urgent request for export was unsatisfied as resale material was scarce. Announcement of contract prices for 1947, was held up until the schedules of basic materials become known. Production of soda bichromate and chromate totaled 6,601 tons in September, compared with 7,254 tons during August.

Sizing Materials

Albumen, Blood — Demand was reported active and exceeded the supply. Production continued light and prices were entirely nominal.

Albumen, Egg—Inquiry was fairly active with trading limited owing to reduced supplies. Prices were unchanged and steady.

Corn, Sugar—With the cost of corn lower, processors reduced quotations of chipped tanners sugar 20c. per 100 pounds to $4.866 per 100 pounds, in bags and to $4.709 in barrels, carlots. New York delivery.

Dextrin, Corn—Further declines in prices were announced by suppliers last week. All grades were reduced 35c. per 100 pounds. New business was active with the bulk of the output moving against former contracts. British gum was quoted at $5.851, canary, $5.591, dark, $5,691, and white, $5.441 per 100 pounds, paper bags, carlots, New York delivery.

Dextrin, Potato—Interest in the imported material has slackened since the domestic product has become available at lower prices. Arrivals of 203 bags were noted last week at Atlantic ports for delivery against former contracts.

Egg, Yolk—This market was firm under active inquiry and limited supplies last week. Demand was excellent but business was light, owing to the scarcity of offerings. Prices were firm at the recent advance.

Starch, Corn—Active demand continued to feature this market. Consumers were taking the production against current orders. Interest in requirements for the balance of the year also was keen. Prices were reduced 35c. per 100 pounds for all grades. Pearl was quoted at $4.321 per 100 pounds, in paper bags, carlots, and powdered at $4.381, New York delivery. Corn production was estimated at 3,380,672,000 bushels as of November 1, by the Department of Agriculture, the largest crop on record. Total production last year was 3,018,000,000 bushels, and the ten-year 1935-44 average was 2,608,499,000 bushels. The previous record crop was 3,228,361,000 bushels in 1944.

Starch, Potato—While a good demand was noted for prompt requirements, scarcity of offerings affected trading last week, as production was sold up for the balance of the year. Inquiry for January delivery was improved. Deliveries against contracts were reported delayed by the scarcity of boxcars and bags. Market was firm and unchanged.

Tapioca Flour—Because of the sold-up condition of this season's crop offerings from Brazil were light and ranged from 5½c. to 10½c. per pound, f.o.b. there, according to grade. Consumers showed an active inquiry for material on the spot and the market ranged from 7½c. to 12c. per pound, New York basis, according to quality. Arrivals totaled 48,300 bags at New York and 4,000 bags at Boston last week, with the bulk for delivery on former orders.

Tanning Materials

Chestnut Extract — Consuming inquiry was reported improved for nearby delivery last week. Trading, however, continued confined to immediate needs. Quotations were unchanged and steady.

Divi-Divi—Interest in replacements was reported moderate, though trading lacked improvement. Reports from primary centers indicated a steady market at former levels.

Mangrove Bark—Offerings for shipments were liberal and primary markets were reported easy. Tanners showed little interest in replacements owing to reduced tanning operations.

Myrobalans—Conditions in the market were quiet and unchanged. Buying interest was inactive. Shipments were offered freely and prices were entirely nominal.

Quebracho Extract—Consuming inquiry has improved of late. Trading was in abeyance, however, pending the official announcement by the Argentine government of prices and terms for export to foreign countries. Imports were light last week and totaled 5,580 bags at New York and 3,500 bags at Boston.

Tara Powder — This market was steady, with a moderate inquiry reported for shipment. Primary markets were reported steady at former levels.

Valonia—Recent arrivals were fairly heavy and delivered against former contracts. Inquiry for replacements was slightly improved, though new business was reported slow. Quotations were unchanged.

Wattle Extract — Arrivals of bark totaled 10,950 bags at Atlantic ports and 2,050 bags of extract at New York last week for delivery on previous contracts. Interest for shipment was fairly active. Offerings, however, were reported scarce and firmly held at current quotations.

For Late Market Developments, See Page 4

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Coaltar Chemicals

Steel production was more than sustained last week at 91.2 percent of capacity. The current operating rate is the highest since June 25, 1945. This suggests a maintenance of increased output of coaltar. The free market for coaltar chemicals has been closely watched for developments but up to this time of writing, no price changes have been announced. Lifting of price controls has at last offered an opportunity for producers to operate on a basis that will cover the increased costs of containers, labor, materials and transportation. There has been no rush in this industry to revise prices. Producers say they desire to place their feet on the ground and, according to trade reports, it looks as though price changes will be conservative rather than of a skyrocket character but it appears as though some revisions will be made and the slant will be upward. Whether higher prices will stimulate production remains to be seen.

Benzol has continued available for prompt shipment. This market was described as in short supply in some sections with limited quantities more easily available than sizable lots. There was no apparent easement in either crude or refined naphthalene. Creosote oil and cresylic acid were in the same tight supply condition previously noted. Phenol was definitely short and so were the different grades of pyridin. Toluol could be purchased for prompt shipment at former prices and so could xylol—most of the intermediates and dyestuffs continued short of demand. The principal hydrogenated solvents were scarce on account of the stringency in phenol.

Steel operations for the week beginning November 11 were scheduled at 91.2 percent of ingot capacity, compared with 91.1 in the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 90.5 percent. The present schedule is equivalent to the production of 1,607,300 net tons of ingots and castings compared with 1,605,500 tons in the preceding week and 1,675,900 tons for the corresponding week in 1945.

Basic Products

Benzol—Supply conditions have not varied greatly during the past week. Tight spots have been uncovered but in general the market has maintained a satisfactory degree of balance. Some suppliers indicated that small lot buying orders could be executed easier than orders for large quantities. The largest sales of coaltar benzol in September were in the industrial and nitration grades, the totals amounting to 5,042,667 gallons and 5,144,927 gallons, respectively, according to the Bureau of Mines. Up to this time no announcement has been made regarding price changes. The market's position is firm with a tendency to advance.

Coaltar—Continued in heavy demand with production moving steadily into consuming channels. No price changes have been announced to date. The opinion prevailed that a higher range of prices might tend to increase output. Sales of crude coaltar from January 1 through September amounted to 261,229,534 gallons, compared with 316,914,700 gallons for the corresponding period a year ago.

Creosote Oil—Market supply position has remained tight with no apparent easement in demand for use in wood preservation of structural material for farm or industry. Sales of cokeoven creosote for nine months, January through September, totaled 19,185,599 gallons, compared with 26,704,000 gallons for the same time in 1945, according to the Bureau of Mines.

Cresylic Acid — Steady consuming interest has prevented any easement in the supply situation. Stocks are short and prices firm although no change in quotations was announced during the past week. Importations were smaller with arrivals totaling 328 drums, all from Liverpool.

Napthalene—There has been no relaxation in demand for crude naphthalene for use in the manufacture of phthalic anhydride and the market has continued exceedingly tight and under pressure for shipments. Refined has remained correspondingly tight with demand active. Total sales of crude for cokeoven material for the first nine months were 49,239,135 pounds, compared with 67,647,000 pounds for the same time in 1945.

Phenol—Supply short with market firm. Production is heavily sold ahead with demand holding in excess of output. The former price range remained effective at the close of the week.

Canada has extended free entry of phenol for another year by order-on-council. This is effective from October 1, 1946, until September 30, 1947. Canada's production supplies only about one-quarter of its requirements.

Pyridin — Market conditions have remained tight with output temporarily overtaxed to meet requirements. Demand for the refined grades for sulfapyridin and other pharmaceuticals has remained too heavy to cover promptly. The market has also experienced an active demand for dyestuffs, resins and solvents. Production of refined in September was placed at 10,988 pounds, compared with 7,226 pounds in August, a gain of 52.1 percent, according to the Bureau of Mines. Crude output in September was 27,248 pounds, against 27,881 pounds, down 2.3 percent from the preceding month. Stocks of refined at the close of September were 3,013 pounds, an increase of 280.9 percent over the 791 pounds on August 31. Stocks of crude on a dry basis registered 103,170 pounds, compared with 105,833 pounds at the close of August, a decline of 2.5 percent. Sales of refined pyridin in September were 9,540 pounds, while crude sales totaled

H — Production expected to show gradual expansion. At present, stocks are low under an active demand for dyestuff use. There is also considerable inquiry for export.

Maleic—Consumers, mostly manufacturers of protective coatings and synthetic resins, have kept production under pressure. The supply position is definitely tight with prices firm.

Tobias—In similar condition to the other coaltar acids. Producers say that current demand is running ahead of current output and that inventory stocks are exhausted. The price situation was not altered during the past week.

Toluol—Requirements of this light oil have been covered promptly. Stocks have been kept at a level to meet the demand, which has included solvent uses in the chemical, dyestuff, intermediate and lacquer trades.

Xylol—Market has maintained a satisfactory degree of balance in this area. Stocks are not excessive, but appear to be meeting the solvent uses

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
128.4	128.4	128.2	127.3

(For Current Prices see Page 9)

Coke By-Products

Estimates of by-product cokeoven operations in the week ended November 8 indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	1,038,540
Ammonia sulphate	lbs.	26,892,720
Benzol	gals.	3,388,920
Coaltar	gals.	12,571,800
Creosote oil	gals.	699,648
Naphthalene, crude	lbs.	1,061,664
Phenol	lbs.	103,980
Toluol	gals.	677,784
Xylol	gals.	153,048

For Late Market Developments, See Page 4

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Chicago, Nov. 15.—With strength indicated in the market for coaltar bases, the general feeling is still somewhat unsettled as to actual prices with controls now lifted. It apparently will take some time to reach conclusions. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed, 15c. per gallon; 2-degree toluol, same basis, 22c.; 10-degree xylol, same basis, 29c.; industrial xylol, same basis, 22c.; solvent naphtha, same basis, 22c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

More attention was focused on these solvents, but it did not appear as though there was any unusual increase in the volume of business. The continued stringency in phenol kept the production of cyclohexanol down, with a proportionate lowering of the output of cyclohexanone. Strength in benzol suggested the possibility of a firmer situation in cyclohexane. The methyl varieties of cyclohexanol and cyclohexanone were strong and in limited supply owing to the shortage of cresols.

Coaltar Acids

Anthranilic — Firm and in limited supply for additional requirements. Production has been applied mostly to regular consumers, and the movement has been sufficient to keep inventories definitely low.

Broenners—Short, with movement keeping within the limits of regular dyestuff consumers. Market position firmer, in sympathy with the strong situation in basic materials.

Fumaric—No easement in the consuming demand could be noted. Production continues insufficient to meet demand for synthetic resins and plastics, which appears to be expanding rather than decreasing at present.

Gamma—According to trade reports, the available supply has not increased. Production continues to move almost entirely against contract accounts, leaving reserve stocks definitely low.

Other Intermediates

Anilin — Continued available for prompt shipment in limited quantities. Movement to contract consumers reported active and running close to production.

Anthraquinone—Definitely short at present, with demand exceeding production. Prices unchanged.

Betanaphthol — Buying conditions remained exceedingly tight for both resublimed and technical grades. Production sold on contract, leaving inventories very short.

Betanaphthylamine — Supply reported short of demand, leaving the market situation tight. Production held down by stringency in basic material.

Diethylanilin — Probably in better shape than some of the other intermediates, although inventories have been kept at a low level under steady consuming demand.

Diphenylamine — Market position has shown no appreciable improvement. Shortage of phenol holding output from expanding.

G Salt—Stocks scarce, with production sold almost entirely to regular consumers who hold contracts.

Phthalic Anhydride—Consuming demand has continued to overtax production, and shipments are running behind schedule. Producers are taking all the crude naphthaline they can get but have been unable to level off the requirements for synthetic resins and ester-type plasticizers for the lacquer trade.

Coaltar Colors

Consuming inquiry was reported more active for home and export use. There was no increase in the amount of dyestuffs available but the establishment of a free market appeared to convey the impression that higher prices may be a possibility. Production has made slow progress toward expansion so far this Fall on account of the continued stringency in so many intermediates and essential chemicals. The undertone of the dyestuff market is firm, with price developments depending upon revisions registered in basic products.

Chicago Rubber Group will hold its annual Christmas party on December 20, 1946, in the Terrace Casino of the Morrison hotel, Chicago.

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Fertilizer Association

—Continued from page 5

cause he learned that the nutriment is taken in directly by the "pegs."

The need for improvement is still great, Mr. Baver said. Seventy percent of the South's farm income comes from but 20 percent of the acreage. A way must be found to make better use of the other 80 percent. In this endeavor, more lime is going to be used. Perennial crops will be more widely cultivated. More nitrogen must be got—and equally, as much potash. The movement for national agricultural research recognizes that need, he said; and it promises some help if properly directed among the States.

Fertilizer Supplies

There is a critical world shortage of all plant foods, said O. E. Overseth, secretary of the fertilizer unit in the UN Food and Agricultural Organization. World production has increased in the past year from 7,600,000 metric tons (N,P_2O_5, and K_2O) to 9,300,000 tons, excluding Russia, from which no data have been received. This leaves a shortage of 842,000 tons of N, according to data from one hundred countries, most acute in continental Europe because of lack of coal. The depletion of livestock holdings by the war has decimated the supply of manure once most important there. Asia's needs normally are relatively small, but they are serious now. Production in the United Kingdom is short about 22 percent. German production is down from 677,000 tons to 318,000 tons. Shortages in consuming countries run from 35 percent to 60 percent.

The domestic situation was reported by K. G. Porter, chief of the fertilizer branch of the Production and Marketing Administration, U.S. Department of Agriculture. The picture was not a rosy one. The supply of P_2O_5 was tabulated as follows:—

	Short tons 1946-47	1945-46
Domestic production...	1,554,000	1,430,000
Imports	27,300	30,000
Exports	56,800	55,000
Available for domestic agriculture	1,525,500	1,405,000

Production of superphosphate is running about 3 percent behind schedule because of inadequate supplies of sulphuric acid and shortage of railroad cars.

The potash situation is somewhat better, with the allocation 795,880 tons of K_2O for the 1946-47 season. Expanded plant operations took 35,606 tons; other plants got 7,566 tons. Exports were 56,100 tons, compared with 64,000 tons in the preceding year. Domestic agriculture was given 679,338 tons, 65,835 tons going to the chemical and other industries.

The nitrogen situation is not good, Mr. Porter said. The scheduled supply of 680,000 tons for 1946-47 was altered by several developments, including a cutback of 30,000 tons in domestic production of synthetic nitrate of soda and urea and an increase of exports from 67,000 tons to 97,000 tons. Domestic production aggregated 554,000 tons, made of as follows:—

	Tons
Ammonium nitrate.....	159,500
Ammonium sulphate.....	143,500
Nitrogen solutions.....	195,000
Other inorganics.....	26,000
Organic materials.....	30,000

Imports were 191,900 tons—88,000 tons from Chile, 102,800 tons from Canada, of which 38,000 tons were nitrate of ammonia, and 1,100 tons from Norway. Exports were 67,000 tons, not including the army program. The quantity available for domestic use was 678,900 tons.

The army is currently borrowing two-thirds of the output of nitrate of ammonia and was to get 100,000 tons up to November 30. It is probable that the army will take none in December, but the equivalent of the 33,000 tons which it was to get probably will be exported under commitments with foreign governments.

Legislative Outlook

A symposium on the outlook with reference to Federal and State legislation affecting the fertilizer industry was a new feature of the meeting. The chairman was C. T. Prindeville, who explained that it has sought to learn and analyze what the industry would have to face. The results of the recent election were not an index of trends in fertilizer legislating. The American Farm Bureau Federation will continue its fight against what it alleges is an inadequate supply of mineral plant foods. Its objections will be plausible, but its methods may be most objectionable. Mr. Prindeville urged that the fertilizer industry go to the public with the facts and figures which it has.

The manner in which *NFA News* and the *Fertilizer Review* (publications of the association) provide material for such practices in public relations was explained by Maurice H. Lockwood. He gave some instances of the need to correct published statements on prices of nitrogen. He told of a pamphlet being readied in answer to charges made against the industry is legislative campaigns and he told of bulletins of the United States Department of Agriculture on double superphosphate and other topics, which will be distributed. He also told how headquarters keeps in touch with legislative developments and invited participation in congressional hearings.

A study of the fertilizer "atmosphere" of the coming Congress was reported by Bert C. Goss, of the association's public relations counsel. This showed that, of the 126 congressmen who had voted for the Mobile fertilizer project thirty-three had been defeated—but all the leaders in the movement had been re-elected.

In the opinions of a group studying the Congress, labor legislation was unlikely; no sharp cuts in taxes or appropriations were expected; there would be a "rash of probes"; some additional housing legislation would be enacted. Veteran groups do not expect a bonus law and are opposed to cuts in army and navy appropriations. Farm groups fear price breaks and will seek laws for support prices. The AFBF fertilizer nationalization drive is to go on, being regarded as nonpartisan. The new chairmen of the house and senate agricultural committees are regarded as favorable to farm demands. Reductions in strikes are expected, along with slight increases in wages. Prices are expected to advance, then drop in the coming year. And a business decline is looked for along about the third quarter.

Association Activities

A general review of the activities of the association since its annual meeting in June was given by Weller Noble, chairman of the board of directors, who made a particular point of the selection of Maurice H. Lockwood as full-time president and in whom, he said, the board had the utmost confidence for progressive service to the industry. He also told of the selection of the standing committees, which are headed by the following chairmen:—

Budget, R. L. King.
Chemical control, F. G. Keenen.
Membership, Leon H. Davis.
Plantfood research, H. B. Siems.
Public relations, C. T. Prindeville.

Sales of fertilizers to farmers in the past year totaled 15,000,000 tons, Mr. Noble said, which compared with a prewar annual mark of 7,000,000 tons. Production of superphosphate was double that of prewar years and had been increased 8.2 percent within the past year. New plants are contemplated, with still larger production in view, but construction is delayed by lack of materials and labor. Orderly marketing must be set up if the imminent surplus of former production is to be prevented from seriously curtailing consumption of fertilizers. Shortage of customers is likely to replace shortage of materials.

In a recital of individual activities, Maurice H. Lockwood, president, told of his attendance at regional meetings from Maryland to California, his visits to members of the industry in the Midwest and Central West, his contributions to publicity through press conferences and articles, and his part in the legislative activities incident to the drive for nationalization of fertilizers. He also reported on the work of Fred S. Lodge, technical assistant who was kept from the meeting by other duties. This comprises primarily technical correspondence and callers and two-way advising with governmental agencies. Mr. Lodge also is the association's liaison with technical organizations of related interests.

The processes of "investing" the funds of the association in benefits for the industry were outlined by Daniel S. Murph, secretary-treasurer. He also explained the necessity that the headquarters activities have sufficient fluidity to meet all governmental contacts and successive developments in all relevant lines.

The 1947 annual meeting of the association will be held in Spring Lake, N. J., in June.

Agricultural Chemicals

Higher prices have been established in some of the nitrogenates during the past week but so far there have been no revisions in the larger basic agricultural chemicals, including ammonia sulphate, potash and soda nitrate. Possibilities of an adjustment in the latter chemical will depend largely upon price developments in soda ash. At present, one large producer of soda ash has announced a 10 percent advance beginning January 1. Others are considering an upward revision and in some quarters it was intimated that 10 percent did not appear sufficient to cover increased production costs. Ammonia nitrate was exceedingly short for prompt delivery and the market reflected the effects of recent export shipments of sizable dimensions. It may be conceded that the undertone of the overall market for agricultural chemicals is decidedly firm with a leaning toward conservative upward revisions.

Packing - house byproducts have shown a distinct upward tendency. The recent advances noted in dried blood and tankage have been sustained. All grades of bone meal have been sold at higher prices with offerings limited. Light trading in hoof meal was reported at $9.50 a unit ton, an advance of $1.50. Some castor pomace came out for the first time in many months and brought $4.50 a unit ton, an advance of $1.35 over the former ceiling figure. Fish meal was quiet and without further change from the lately established higher level.

In the insecticides and fungicides, advances in copper, lead and zinc metals have created a strong background for chemicals made from these bases. Copper sulphate is the first to reflect the stronger basic position with an advance of one cent a pound. Other upward revisions are expected to be registered in the near future.

Nitrogenates

Ammonia Sulphate—September production as a coke byproduct was 128,283,138 pounds, against 130,501,766 pounds in August. Stocks at the end of September were 81,690,738 pounds, compared with 77,218,216 pounds on August 31, according to the Bureau of Mines. Market conditions continued tight and firm.

Bone Meal—Shortage of available stocks has restricted trading. Demand for feeding purposes reported active and it looked as though production could be moved readily at the higher prices named. The market recorded advances of $15.00 a ton in raw 4½% to $65.00 eastern works. Steamed feeding grade, 1% ammonia $70.00 per ton, eastern works up $5.00 Fertilizer grade 3% ammonia $60.00 per ton, eastern works, up $15.00.

Castor Pomace—Sales were reported at $4.50 per unit ton, an advance $1.35. Offerings were limited regardless of higher quotations.

Fish Meal—No further change in prices was noted from the recent advance. Limited offerings kept local trading restricted.

Hoof Meal—Sales of limited quantities were reported at $9.50 per unit ton, Chicago basis, an advance of $1.50.

Soda Nitrate—Market position for domestic and imported material has continued firm and unchanged. Buying interest has increased while the stock situation has remained tight.

Tankage — Prices for the feeding grade held at the recent advance. There was not much material offered either here or at Chicago.

Phosphates

Phosphate Rock—Demand was reported active and too broad at present to accommodate promptly. All the rock possible to ship from mines is reaching acidulators but the movement has not been sufficient to even off inquiry. The market position is firm, backed by high producing costs and active buying interest for home and export.

Superphosphate — Total supply of normal superphosphate continued to increase slightly in September but remained 12 percent below the same month last year, according to the Bureau of the Census. Disposition for September again exceeded production with the result that stocks decreased for the third consecutive month and were approximately 30 percent below those on hand at the end of September, 1945. September production of concentrated superphosphate exceeded disposition for the first time since June, 1946. Stocks on hand increased 5 percent during the month, reaching the highest point since May, 1944. Production of normal 18 percent in September was 642,002 tons. Stocks on September 30 were 576,642 tons. Output of cencentrated 45 percent was 30,844 tons in September and stocks at the end of that month were 48,818 tons.

Potashes

Production reported heavily under contract with shipments under allocation. Demand from fertilizer mixers is active and considerably ahead of domestic output. No change in the price structure was reported although the market's position is decidedly firm.

Seven potash plants are now operating in the British zone of Germany, according to the Department of Commerce. Shortage of coal and insufficient number of skilled workers, however, probably will limit output during 1946-1947 to about 40 percent of the needs of farmers in that zone. Most of the exportable potash must come from the Russian zone where approximately 60 percent of the normal prewar German potash production facilities are located.

Insecticides

So far, the overall insecticide market has shown some effect of OPA decontrols. The action was considered constructive but it is only one of several similar actions necessary to assure adequate stocks as many raw materials are still in short supply. The removal of controls will, however, permit purchases in the world markets of raw materials, such as arsenic, and will undoubtedly increase to some extent supplies of vitally needed stocks. Some price advances can be anticipated but competition between suppliers forecast increases justified by labor costs, containers and raw materials.

Heavily sold ahead condition of DDT has held that market exceedingly tight. Nicotine sulphate has remained in short supply, with more demand for home and export than can be comfortably satisfied. Zinc sulphate is tight at present, may ease after the turn of the year, when a new producer is expected to start operations. Copper sulphate is still being purchased for prompt shipment for use on next year's potato crop.

Sulphur and Pyrites

Sulphur demand continued heavy, with stocks adequate to meet all requirements on a prompt basis. Transportation facilities have not always been available to move material as rapidly as desired, but the flow from mines to consuming sources has been fairly regular. The Bureau of Mines reports sales in August at 354,464 long tons and shipments at 384,938 long tons. These were the highest for the corresponding months in the last three years. The movement of pyrites has not deviated to any great extent from established contract consumers. The price situation was unchanged.

Market Trends

Prices Advanced

Bone Meal, raw, 4½ percent ammo., $15 per ton.
Bone Meal, steamed, 1 percent ammo., $5.00 per ton.
Bone Meal, fertilizer grade, 3 percent ammo., $15.00 per ton.
Castor Pomace, $1.35 per unit ton.
Hoof Meal, $1.50 per unit ton

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
72.1	72.1	72.1	71.8

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

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* *fine chemicals of measured purity*

* *your technical skill in manufacturing*

* *rigid laboratory control in your plant*

Every year, millions of bottles of cough medicines are used by the American people—to soothe irritated throats and to relieve coughs.

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And in that making, there are three vitally important "musts":

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—scientific compounding and processing of all the ingredients to achieve a quality finished product.

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Drugs and Fine Chemicals

The leading price features last week in the market for drugs and fine chemicals were the sharp, abrupt jump in quotations on all kinds of glycerines, a rise in prices on acetanilide, an upping of commercial sorbitol, and a general increase in alcohol value. Except for the glycerin and acetanilid advances, most changes last week had been in the making before President Truman ended OPA price control on everything but sugar, rice, and rents.

A glycerin rise had been expected ever since price controls had been withdrawn from virtually all raw materials serving as direct or indirect raw materials for the production of crude and refined glycerin. And, considering what buyers had been paying for glycerin in the open market when OPA still attempted to control the glycerin quotations, the advance made by refiners last week was relatively conservative.

During the period, the higher quotations on butyl acetate and alcohol, castor oil, and synthetic ethyl ether named late in the closing hours of the previous week were established in steady position and trade began to flow in more sustained and ready fashion at the higher limits.

Inquiry among the manufacturers of most drugs and fine chemicals developed few actual changes in prices but pointed to the probability of higher quotations being eventually established on a number of them. Nothing resembling a fete of advancing prices prevailed. On the contrary, extreme conservatism governed a policy that seemed to stem from caution and common sense. Eventually, actual production costs will probably warrant some price advances but freedom from OPA price restraints brought no broad scale mounting to the higher price levels generally.

Market Trends

Prices Advanced

Acetanilide, 7c. per lb.
Alcohol, 28½c per gal.
Butyl acetate, other than Ill., Ind. production, 6.2c. per lb.
Butyl alcohol, other than Ill., Ind. production, 6.2c. per lb.
Castor oil, U.S.P., 7½c. per lb.
Ethyl ether, synth., U.S.P., 3½c. per lb.
Glycerin, refined, U.S.P., 37c. per lb.
dynamite, 37½c. per lb.
high gravity, 37¾c. per lb.
yellow distilled, 37⅝c. per lb.
saponification, 32¼c. per lb.
soaplye, 32¼c. per lb.
Sorbitol, ¾c. per lb.

Prices Reduced

Corn syrup, domestic, 28c. per lb.
Quicksilver, $1 per flask.

Comparative Price Indexes

(100=August 1, 1914).

Last week.	Prev. week.	Last month.	Last year.
245.9	244.6	245.5	205.3

(For Current Prices see Page 9)

Acetanilide—Prices named by a leading maker were advanced 7c. per pound, effective immediately, and there was reason to expect all producers to follow. Quotations became minimum at 40c. per pound for U.S.P. in 2,000-pound lots, and 34c. for technical material.

Acetone — Apparently the leading suppliers of this article have decided to hold quotations free from change for the time being at least. Not all producers stand at identical prices, though most of them have 7c. as their minimum quotations for the article in tanks. The highest price asked continued to be 10c. in tanks.

Acetophenetidin—Demand was excellent, holding to substantial size and coming in steadily as consumers strove to eliminate their shortages of this article—shortages that grew during the recent strike that bound the plants of the leading manufacturer.

Acid, Acetylsalicylic — There was more business in the market that could be totally cared for. Much of it was export inquiries and it was not too easy to get an export permit nor to find goods available for movement out of the country.

Acid, Aminoacetic — Holding substantially steady in all ways, but not the object of more than moderate demand from a not too large number of manufacturing consumers. Supply seemed sufficient.

Adeps Lanae—Some feel that advancing cost of raw material may result in this article developing a rising trend in the not far distant future. The market seemed definitely steadier last week and even demand underwent some improvement, according to report.

Agar — Former dealers who have submitted bids for a part of the stock recently offered by a government agency were holding aloof from quoting a market on Japanese agar pending the final outcome of the bidding.

Alcohol—Producers of alcohol advanced prices on an average of 28½c. per gallon last week. It was an upward revision long overdue. Such a movement was scheduled as far back as last June and just before OPA lapsed on June 30, that body had been about ready to order a general rise to compensate for increased production cost. When OPA lapsed for about a month, nothing was done. And nothing was done until President Truman ended OPA price control and full control of prices was returned last Monday to the industry. New prices prevailing on tankcars were:—CD14, 83c. per gallon; SD1, 82½c.; SD2B, 82c.; SD23G, 86½c.; SD23H, 82½c.; SD29, 83c.; special solvent, 84½c.; ethyl, 190 proof, $17.94; absolute, $18.01.

Ammonia Chloride — Demand continued to be good and prices reflected the good movement by holding very steady at recently prevailing price levels.

Ammonia Citrate—The market was rather quiet. Demand was mainly for relatively conservative quantities that gave a jobbing aspect to transactions throughout the past week. However, prices remained exceptionally firm.

Ammonia Hypophosphite — Activity was routine, but jobbing interest in the article built a very fair-sized total of transactions by the close of last week. Quotations displayed a deal of stability.

Atropine—The supply was limited. Production has been crippled by the inadequate amount of raw material now available in this country. Attempts to get a satisfactory supply in Europe has been unsuccessful both as to the alkaloid and its raw material. Pressing requirements are being met but no trade is possible beyond that limit.

Bismuth—Demand was steady. Stocks of raw material were inadequate and kept production from totals that would care for all of the current demand from manufacturing consumers. Prices were very firm.

Butyl Acetate—Production of the fermentation normal item at points other than Illinois and Indiana bring the higher price of 26.7c. per pound in tanks; drums, carlots, 27.7c.; less carlots, 28.2c. This change completed the generally upward movement of prices on all kinds of normal material.

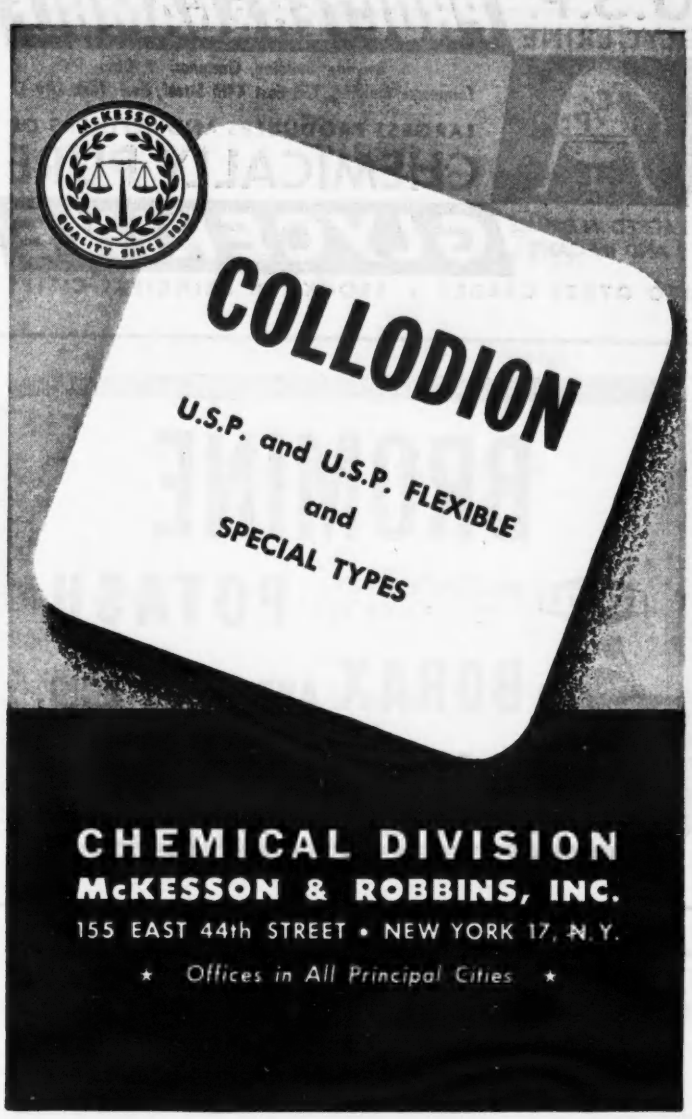
Butyl Alcohol—Normal fermentation material produced at points other than Illinois and Indiana has been raised in price to the basis of 30½c. per pound in tanks; drums, carlots, 31½c.; less carlots, 32c. Thus, all forms of normal material now stand at higher price levels.

Calcium Gluconate—Demand was moderate. Buyers were disposed to take only sufficient goods to cover their reasonably nearby requirements. Trade had a jobbing aspect most of the time. But prices continued to be maintained in very steady position.

Camphor—There is real shortage in goods available for immediate delivery. Production of synthetic material has been engaged well ahead and the rise of Winter needs has emphasized the subnormal character of stocks at the present time. No Chinese goods have been released to the market by the Federal agency recently accepting bids.

Castor Oil—The price for beans continued to rise in Brazil and was added strength to the already strong position of castor oil on this market. However, the producers have at last come through with new schedules of prices which, however, are subject to change without notice. One of the producers stated that inasmuch as the new schedule is a considerable advance since that in effect prior to June 30, the producer believed it ad-

For Late Market Developments, See Page 4



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visable to cancel all orders in his files and he proceeded to do just that. New orders will have to be filed for the minimum normal requirement of manufacturing consumers but complete filling is not guaranteed. Under the new price schedule, USP oil in tanks stands at 27c. per pound; tank-wagons, 27¼c.; drums, carlots, 28c.; less carlots, 29c. No. 3 technical oil has a schedule that is ¼c. lower than the above prices on USP oil.

Arrivals of castor beans last week totaled 35,236 bags, or 5,285,400 pounds. This brought the total arrival since January 1 to 1,093,497 bags, or 164,024,550 pounds, which compares with 1,574,750 bags, or 236,212,500 pounds of beans arrived during the corresponding period in 1945.

Codeine—Now that all price controls have been removed it may well be that the expected advance in codeine prices will come the sooner because of that development. However, the most recent check brought the statement that the codeine producers had yet to sharpen pencils in preparation for figuring the higher schedule to come.

Codliver Oil — The market was strong and seemed destined to go higher if demand holds its present volume and supply continues to shrink in the same ratio noted in recent weeks. It is not easy to find unsold oil in the several primary markets. Oil arriving now was bought quite a long time back and the available supplies have been rather well put under contract. Foreign consumption of the oil requires the withholding of substantial quantities from the market in the United States.

Corn Syrup—Competition seemed to be to the fore. Prices declined. Although demand was large, supply has increased with the greater availability of corn and, all things being considered, the price for domestic syrup is judged to be attractive in the main. Carlots in drums were $4,837 per 100 pounds; less carlots $4,937.

Fishliver Oil—Demand was good but it was being satisfied much better than was the case not so far back. The call was broad and sustained at substantial volume and the result was a market of exceptionally firm undertones and prices. Arrivals of fishliver oils totaled 121 drums of shark liver oil from Buenos Aires, Argentina.

Glycerin—Refiners advanced prices on c. p., yellow distilled, high gravity, and dynamite glycerin to the basis of 55c. per pound in tank cars. All were on the same price basis and all reflected in part the fact that all basic raw materials from which glycerin may be directly or indirectly produced are selling only at sharply higher prices. At that, the advance failed to bring the market to the point at which goods had been actually selling in the open market for a long time past—around 65c. to 70c. per pound with buyers being reported glad to get glycerin regardless of its price.

Guaiacol Carbonate—Seasonable demand found the market lightly stocked with this item and the steady call last week strained the ability of producers to make prompt deliveries on new orders.

Iodine and Iodides—Price stability appears still to prevail and the future of the iodide market seemed tied tight to that which may be the developed in crude iodine. Demand was good.

Menthol—It is not expected that the Japanese menthol being sold by a government agency will be disposed at especially attractive quotations. It seems likely that values will be held somewhat in relation to what has to be paid for Brazilian material and the prices for that article have been steadier materially since the recent decline. In fact, in some quarters the disposition is not to accept less than $8 per pound. Demand does not press sharply at present since the major consuming requirements of numerous buyers have been well covered.

Mercurials—A change in prices for this article can come almost any moment if the proper relation between raw material and the schedule on mercurials is to be retained. The present schedule would seem to be out of normal alignment between mercurials and quicksilver.

Methanol—According to the latest report of the Bureau of the Census, production of natural methanol, 100 percent basis, in the month of September totaled 184,000 gallons, which compares with August production at 196,000 gallons.

Methylethyl Ketone — Removal of price controls failed to be the predecessor of an advance in quotations on this material. The market was firm and the schedule was not being shaded but, also, the schedule was not being exceeded. Demand was excellent.

Milk Powder — Purchases made in September by the Production and Marketing Administration of the Department of Agriculture were: Skimmed milk powder, roller, 5,973,910 pounds; spray, 6,965,495 pounds; whole milk powder, 1,726,020 pounds.

Morphine — With all price controls having been removed, it is expected that producers of this opium derivative will announce new and higher prices rather sooner than had seemed likely of late. But it has been definitely established that higher values will be the result of the recent advance in opium prices.

Penicillin—It is conceded that at the present time the cost of manufacturing synthetic penicillin is prohibitive and that it cannot at an early date replace the article of normal manufacture. Which is all to the good considering the amount of money tied up in plants now producing the bulk of supplies.

Quicksilver—The market was none too steady and was shaded to $92 to $93 per flask and it was conceded that it might be possible further to shade the open market with a firm order in hand for a quantity that would prove attractive to current holders of metal.

San Francisco, Nov. 13.—The quicksilver market here this week was steady. Interest was well maintained, but offerings were light. Stocks continue low. Metal was being quoted between $94 to $95 per flask, f.o.b. San Francisco.

Quinine—British reports reveal astonishment over the failure of price media to provide quotations on quinine. Well, London, the United States consumers are not served much better;

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the only quotations obtainable are on hydrochloride and sulphate. The fact is that, in this country, the supply of bark is insufficient to permit the offering of all cinchona bark derivatives and with but limited quantities of quinine arriving from abroad, the market is utterly bare of more than small stocks of the two varieties mentioned. Still, quotations are obtainable here and they are dependable.

Rochelle Salt—Not in exceptional supply but still available in quantities that keep major requirements supplied at unchanged prices. The latter have some tendency to move in favor of buyers since the raw material position has become progressively more competitive.

Saccharin—Orders in the open market often went unfilled and production was still trailing the backlog of orders built when strikes bound the plants of the leading producer of this item.

Sorbitol—Prices were advanced to 21c. per pound in drums, carlots; less carlots, 21½c.

Sugar—According to the Production and Marketing Administration of the Department of Agriculture, sugar available for United States Consumption during January—September, 1946, totaled 4,333,979 short tons, raw value, comparing with 4,817,004 short tons in the corresponding period in 1945. Stocks on hand September 30 totaled 519,727 short tons, against 513,255 short tons in hand September 30, 1945.

Trade Briefs

John J. Doran, foreign and domestic credit manager of the New York branch of the Parke-Davis Company, has completed fifty-five years service with the concern.

Boncquet Laboratories, Glendale, Calif., has been sold by Edyth M. Hamilton, Ethel M. Hamilton and Charles T. Lester to Dorothy M. Shope and Sam Ripple.

Conti Products, manufacturer of hair shampoo, will assume sponsorship for the sixth consecutive year of "The Treasure Hour of Song" over the Mutual network, beginning November 21.

Commercial Solvents Offers New Penicillin

A new penicillin salt which broadens the application of the drug has been announced by Commercial Solvents Corporation, New York. The new product, now available commercially, is a highly purified crystalline potassium salt composed of penicillin G.

This crystalline product is high in purity, heat stable, and does not require refrigeration, according to the company. It has proved to be especially effective in a Romansky Type Formula, which is a mixture of penicillin in oil and wax. One injection of potassium penicillin in this mixture maintains therapeutic blood levels for twenty-four hours, the company announces.

Gunning & Gunning Adds Westfried to Staff

Gunning & Gunning, Inc., manufacturer of aromatic chemicals, New York, which recently opened an essential oil department, has added Ernest A. Westfried to its staff in an executive capacity. Mr. Westfried has been associated with the aromatic chemical and essential oils industries both here and abroad for more than twenty-five years.

Geochemical Laboratory Established at Penn State

A laboratory of applied geochemistry and geophysics has been established at Pennsylvania State College with the purpose of fundamental and practical research respecting mineral resources. It is under the direction of Sylvain J. Pirson.

Geochemistry, which has to do with the why, how, and where of natural deposits of elemental compounds, has had only a limited application in the United States, usually in connection with geophysics, in prospecting for petroleum and natural gas. Its application to the discovery of ores and other minerals will be developed by the new laboratory.

OPD—11-18-1946 53

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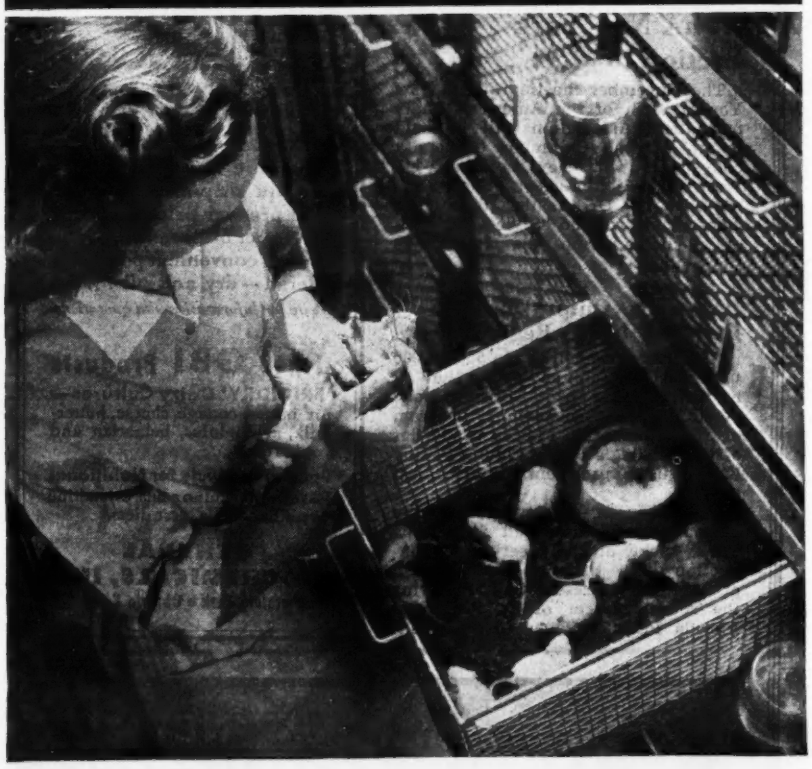

Vitamin concentrate potency double-checked by continuous bio-assay

One of the most essential operations in the production of DPI's Distilled Vitamin A Esters is the system of checks and double-checks to insure vitamin A potency: spectrograph analysis and laboratory bio-assay.

Regular bio-assays of Distilled Vitamin A Esters are conducted with hundreds of pedigreed white rats in the DPI bio-assay lab and independent consulting laboratories. These carefully-controlled scientific tests are made under sanitary, hygienic surroundings, and offer a double-check upon the labeled vitamin A values of Distilled Vitamin A Esters.

Produced by molecular distillation of natural oils in super-vacuums, this concentrate offers unique advantages in blandness, stability and potency—well worth investigation. You are invited to write for the complete story of Distilled Vitamin A Esters and its applicability for your particular purpose.

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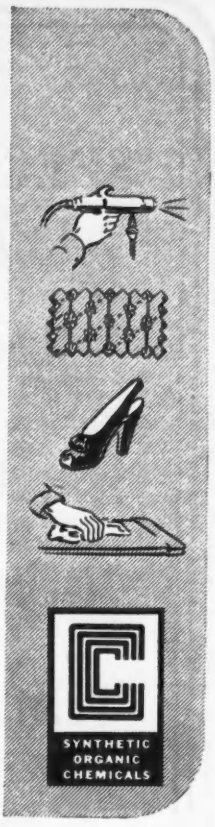

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Abbott Laboratories Forms New Divisions

The creation of four new sales divisions and the promotion of fourteen sales representatives have been announced by the Abbott Laboratories, Chicago.

The new divisions are the central sales division, with headquarters at Chicago, which will be managed by George Epstein, sr.; the east-central sales division, with headquarters at Cincinnati, which will be managed by H. S. Wilkinson; west-central sales division, Kansas City, Mo., managed by T. E. Braden, and southeastern sales division, Atlanta, managed by C. B. Dyar.

The following have been appointed district managers:—R. J. von Danden, to manage the Chicago sales area; J. F. Bolan, east-central Kentucky and southern Ohio; M. V. Wertzberger, Oklahoma-Kansas-Missouri sales area; P. G. McGlothing, Rocky Mountain sales area; H. J. Kohl, Iowa-Nebraska-South Dakota sales area; G. S. Thornhill, southern New England; Haydn Raabe, New Jersey; P. J. Morrissette, Albany - Schenectady, and William Austin, Ontario and Western Canadian Provinces.

Louis Horrvich is transferred from manager of the southern New England sales area to manager of the Brooklyn-Long Island sales area.

Public Health Study Fellowships Offered

OPD Washington Bureau

Fellowships leading to a master's degree in public health in the field of health education are being offered to any qualified citizen between the ages of twenty-two and forty, according to the United States Public Health Service. Tuition, travel expenses for field training and a stipend of $100 a month will be provided out of funds furnished by the National Foundation for Infantile Paralysis.

Candidates must hold a bachelor's degree from a recognized college or university and must be able to meet the entrance requirements of the accredited school of public health of their choice. In addition to the degree, courses in the biological sciences, sociology, and education may be required. Training in public speaking, journalism, psychology, and work in public health or a related field are considered desirable qualifications.

APhA New York Section to Meet

The November meeting of the New York branch of the American Pharmaceutical Association will be held tonight at the Columbia University college of pharmacy building, 115 West Sixty-Eighth street. The speaker will be Dr. Louis Hirschhorn, whose topic will be "Styles and Fads of Medicine from the Physician's Viewpoint."

Paper Bag Output Increase Reported by St. Regis Paper

An increase of more than 500,000,000 units in the annual production of multiwall paper bags will be made possible through a planned program of expansion at the Florida properties of the St. Regis Paper Company, Roy K. Ferguson, president, reported last week.

Mr. Ferguson, accompanied by the company's executive staff from New York, spoke at the meeting in connection with the first official visit of St. Regis representatives following the recent merger of St. Regis and Florida Pulp & Paper Company interests, the latter headed by James H. Allen and associates. The merger marked St. Regis' first entry into the kraft pulp and paper industry of the South.

Through a merger with the Florida Pulp & Paper Company and plans of its subsidiary, Alabama Pulp & Paper Company, to construct a new $10,000,000 kraft paper mill, "we are assured of a kraft paper center in Pensacola capable of turning out 400 tons a day, or enough kraft to make over 500,000,000 multiwall bags a year," Mr. Ferguson stated.

Shaftoe Returns To Givaudan-Delawanna

Col. Herbert L. Shaftoe, manager of the Cincinnati office of Givaudan-Delawanna, Inc., manufacturer of perfume raw materials, New York, has returned to his position with Givaudan-Delawanna after more than six years in the United States Army. Mr. Shaftoe served in the First World War, returned to the United States in 1921, and went into the reserves of the regular Army.

Soon afterward, he joined the Givaudan organization and was sent to Cincinnati to form the branch office, which he headed until the outbreak of the recent war. In 1940, Mr. Shaftoe, then a captain, was called up from the reserve.

International Minerals Advances Pfaelzer

David A. Pfaelzer has been appointed assistant sales manager in charge of packaged products for the amino products division of the International Minerals & Chemical Corporation. Mr. Pfaelzer joined the division six months ago, following his discharge from the army.

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U.S. Health Service Gets Veterinary Unit

OPD Washington Bureau

A veterinary public health section has been established in the states relations division of the U. S. Public Health Service to conduct demonstration projects on the control of animal diseases communicable to man. This section also will collect epidemiological data pertinent to these diseases.

Heading the new program is Dr. James H. Steele, a veterinarian who also holds a degree in public health. Dr. Steele will be responsible for developing the demonstration projects and for consultant services to States in conducting veterinary public health programs.

Oxygen Plants Offered For Sale by WAA

OPD Washington Bureau

Two surplus government-owned war plants used to manufacture and store oxygen are offered for sale or lease by the War Assets Administration. The plants, located in Reading, Pa., and Gloucester, N. J., were operated during the war by Air Reduction Sales Company. Sealed proposals will be received for sale or lease of the properties up until 3 p.m., December 16, by the Office of Real Property Disposal, WAA, 1528 Walnut street, Philadelphia.

Sharp & Dohme Names Egry to Field Post

Charles Egry has been named supervisor of field operations for Sharp & Dohme, pharmaceutical manufacturer, Philadelphia. Mr. Egry will be directly responsible to C. B. Pyle, director of field operations, and will assist Mr. Pyle in the direction and further expansion of field personnel.

Glass Containers Output Reported for September

The total production of wide-mouth glass containers in September, 1946, amounted to 3,926,567, of which 235,845 were used for medicinal and health supplies; 97,164 for chemical, household and industrials, and 106,334 for toiletries and cosmetics.

The total production of narrow-neck glass containers in September amounted to 5,706,431, of which 1,136,430 were used for medicinal and health supplies; 484,029 for chemical, household and industrials, and 571,912 for toiletries and cosmetics.

Royal Names Moyer Executive Vice-President

Sidney L. Moyer has been appointed executive vice-president of the Royal Pharmacal Corporation, New York, it was announced by Frederick J. Trump, president. Mr. Moyer was recently appointed a vice-president after having served as general manager of the company's Chicago plant. Mr. Trump also announced the resignation of A. Kamen as a director of the corporation.

Bleser Marks 50 Years In Capsule Business

Joseph J. Bleser, senior partner of the Michigan Capsule Company, Detroit, has completed fifty years of capsule manufacturing. He began his career in 1896, with the Merz Capsule Company. He rose to production superintendent, which position he held until 1927, the year in which he became a co-partner. Mr. Bleser remained with the Merz company until the end of 1936, when the Michigan Capsule Company was formed.

Industrial Export Corporation Formed

All assets of Industrial Exports, Los Angeles, have been transferred to a newly formed corporation, the Industrial Exports Corporation. The company also has moved to larger quarters in the Chamber of Commerce building, Los Angeles.

Hopkins Adds Walsh to Staff

John J. Walsh, recently released from the Army, has been appointed to the laboratory staff of J. L. Hopkins & Co., importer and exporter of crude drugs, New York.

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ALTHEA ROOT—40 bgs, Peek & Velsor, Alicante—20 bgs, R J Prentiss & Co, Alicante—40 bgs, J L Hopkins & Co, Alicante

AMMONIA MURIATE—267 bgs, Philipp Bros, Liverpool

ANGELICA ROOT—19 bls, Biddle, Sawyer & Co, Antwerp

ARABIC GUM—300 bgs, Colony Import & Export Corp, Port Sudan—500 bgs, T M Duche & Sons, Port Sudan—750 bgs, National Starch Products, Inc, Port Sudan—150 bgs, Tragacanth Importing Co, Port Sudan—1,100 bgs, Bank of London & South America, Port Sudan

ARROWROOT—1,619 bgs, Morningstar-Nicol, Inc, St Vincent

ARTISTS MATERIAL—19 cs, Winsor & Newton, London

BABASSU KERNELS—460 bgs, General Foods Corp, Parnahyba

BALATA—198 blocks, Bank of New York, Belem—50 cs, Littlejohn & Co, Belem—50 cs, Earle Bros, Belem—39 bls, H A Astlett & Co, Trinidad

BARBASCO ROOT—29 bls, Otis Astoria Corp, Belem

BEEF LIVERS—447 crts, Armour & Co, Montevideo

BEES WAX—248 pkgs, Wessel, Duval & Co, Lisbon—245 pkgs, American Cyanamid & Chemical Corp, Lisbon—43 blocks, Paul & Stein Bros, Lobito

BILE—3 cks, 6 cs, American Ferment Co, Buenos Aires

BRUCINE—3cs, New York Quinine & Chemical Works, London

BUTTONLAC—200 bgs, Gillespie, Rogers Pyatt Co, Calcutta—100 bgs, Wm Diehl & Co, Calcutta—100 bgs, Bradshaw, Praeger & Co, Calcutta

CADMIUM—3 cs, Cerro De Pasco Copper Co, Callao

CALCIUM ALGENATE — 3 dms, F L Kraemer & Co, London

CANTHARIDES—6 cs, Amtorg Trading Corp, Odessa

CARNAUBA WAX—56 bgs, Strohmeyer & Arpe Co, Fortaleza—11 bgs, Lenape Trading Co, Fortaleza—100 bgs, Davies, Irwin, Ltd, Fortaleza—55 bgs, W M Allison & Co, Fortaleza—33 bgs, Drew Brown, Ltd, Fortaleza—90 bgs, Fortaleza—335 bgs, Innis, Speiden & Co, Fortaleza—179 bgs, American Cyanamid & Chemical Corp, Fortaleza—56 bgs, Wessel, Duval & Co, Fortaleza—178 bgs, W R Grace & Co, Fortaleza—374 bgs, Fred Henjes, jr, Parnahyba—63 bgs, R W Cameron & Co, Parnahyba—63 bgs, W R Grace & Co, Parnaiba—338 bgs, American Cyanamid & Chemical Corp, Parnaiba—62 bgs, Wax & Rosin Products, Inc, Parnaiba—125 bgs, Fred Henjes, jr, Parnaiba—32 bgs, Natural Products Corp, Fortaleza

CASEIN—993 bgs, Eugenio Lang, Inc, Buenos Aires—1,622 bgs, Borden Co, Buenos Aires—2,800 bgs, Tupman, Thurlow Co, Buenos Aires—1,000 bgs, Hercules Powder Co, Buenos Aires—2,032 bgs, American Cyanamid & Chemical Corp, Buenos Aires

CASHEW SHELL LIQUID — 150 dms, Brazil Oiticica, Inc, Fortaleza

CASSIA—135 bls, International Credit Handel, Singapore

CASTOR BEANS—1,555 bgs, Murray Oil Products Co, Fortaleza—10,674 bgs, Spencer Kellogg & Sons, Fortaleza—5,517 bgs, Baker Castor Oil Co, Fortaleza—4,985 bgs, Fortaleza—1,862 bgs, Baker Castor Oil Co, Parnaiba—3,393 bgs, Spencer Kellogg & Sons, Cabedelo—3,600 bgs, Baker Castor Oil Co, Recife

CASTOR OIL—500 dms, Bunge Corp, Recife—250 dms, Murray Oil Products Co, Montevideo

CERAMIC COLORS—1 cs, B F Drakenfeld & Co, Liverpool—1 cs, Paul & Stein Bros, Liverpool

CHALK, COMMON—200 bgs, Taintor Trading Co, London—precipitated, 250 bgs, H J Baker & Bro, Liverpool

CHINA CLAY—102 cks, E Fougera & Co, London

CITRONELLA OIL—24 dms, Netherland Purchasing Commission, Tandjong Priok

COPAL GUM—375 bgs, Brown Bros-Harriman Co, Matadi—1,500 bgs, Gillespie, Rogers, Pyatt Co, Matadi—6,000 bgs, O G Innes Corp, Matadi—3,000 bgs, Fidelity Trust Co, Matadi—800 bgs, American Cyanamid & Chemical Corp, Matadi—700 bgs, G W S Patterson & Co, Matadi—1,000 bgs, Thurston & Braidich, Matadi—1,600 bgs, S Winterbourne & Co, Matadi—800 bgs, A J Wittenberg Corp, Matadi—290 bgs, Balfour, Guthrie & Co, Matadi

CORN SYRUP—184 cks, Eugenio Lang, Inc, Buenos Aires

CORUNDUM—686 bgs, Watson, Geach & Co, Beira

COTTON LINTERS—141 bls, Riverside Mills, Fortaleza—190 bls, Cowa Co, Cabedelo

CRESYLIC ACID—50 dms, West Disinfecting Co, Liverpool—50 dms, Crowley Tar Product Co, Liverpool—138 dms, Monsanto Chemical Co, Liverpool

CUBE ROOT—72 bls, Morris Hess & Co, Callao

CYANIDE, PRECIPITATED—9 cs, Irvington Smelting & Refining Works, Puna

DAMMAR GUM—100 cs, 200 bgs, Netherland Purchasing Commission, Tandjong Priok—150 cs, 210 bgs, International Credit Handel, Singapore

EARTH COLORS—136 bbls, London

EMERY POWDER—60 bgs, London

EUCALYPTUS OIL—6 dms, Luzzatto & Co, Para—17 dms, Dodge & Olcott Co, Montevideo—30 cks, Banque Belge pour L'Etranger, Matadi

FILTER PAPER—34 cs, H Reeve Angel & Co, London

FISH MEAL—2,100 bgs, Vita Master Milling Co, Gumana

FUEL OIL—109,259 bbls, Standard Oil Co of N J, Aruba

FULLERS EARTH—200 bgs, L A Salomon & Bro, London

GALLS—5 tcs, International Commercial Co, Buenos Aires—3 tcs, Swift & Co, Buenos Aires—14 cks, Van Gelden Fanto Corp, Buenos Aires—38 cs, National City Bank, Montevideo—60 cks, American Ferment Co, Montevideo—13 cks, American Ferment Co, Buenos Aires

GERANIUM OIL—7 cks, Matadi

GLANDS—8 tcs, Charles Hollinshed Co, Montevideo

GLUE — 200 bgs, Transatlantic Animal By Product Co, Fortaleza—2 kgs, Asiatic Petroleum Corp, London—37 cs, Andes Trading Co, Buenos Aires—22 bgs, Eberhard Pencil Co, Buenos Aires—200 bgs, Bank of London & South America, Antwerp—100 bgs, C B Hewitt & Bros, Antwerp

GLYCERIN—63 dms, Antwerp—5 dms, London

GRAPHITE—250 bgs, Charles Pettinos, Colombo

HAWTHORN BERRIES—34 bgs, S B Penick & Co, London

INDIGO—10 seroons, L E Ransom & Co, Cristobal

IRON OXIDE—207 cks, J Lee Smith & Co, Malaga—57 cks, 150 bbls, Reichard-Coulston, Inc, Malaga—150 cks, C K Williams & Co, Malaga—150 bbls, Smith Chemical Color Co, Malaga—150 bbls, C J Osborn & Co, Malaga

JABORANDI LEAVES—52 bls, S B Penick & Co, Parnahyba

KYANITE—446,544 lbs, Golwynne Chemical Corp, Mombasa

LAUREL LEAVES—80 bls, Kachurin Drug Co, Lisbon—90 bls, Herbert Marmerek & Son, Lisbon—268 bls, J B De Macedo & Co, Lisbon

LAVENDER FLOWERS—20 bgs, Alicante

LAVENDER OIL SPIKE—11 dms, Dodge & Olcott Co, Alicante—6 dms, Alicante

LEMONGRASS OIL—6 dms, Givaudan-Delawanna, Rio de Janeiro

LEMON PEEL—20 bls, S B Penick & Co, Alicante—90cs, R L Alberto & Son, Buenos Aires

LIME JUICE—193 cks, Balfour, Guthrie & Co, Trinidad

LIME OIL—63 cs, Fritzsche Bros, Barbados—22 cs, Barclay Bank, Barbados

LINSEED OIL—5,245 tons, Commodity Credit Corp, Buenos Aires—1,000 dms, Montevideo

MACE—40 cs, International Credit Handel, Singapore—20 cs, Catz American Co, Barbados

MANGANESE ORE—3,350 tons, Amtorg Trading Co, Odessa

MANIOC MEAL—3,341 bgs, Geismar & Co, Fortaleza—3,333 bgs, Doughnut Corp, Fortaleza

MENTHOL—100 cs, C L Huisking & Co, Santos

MICA—236 cs, Vilco, Inc, Buenos Aires—20 cs, Siegfried Cussel, Buenos Aires—7 cs, Eugene Munsell & Co, Buenos Aires—21 cs, A O Schoomaker Insulation Co, Buenos Aires—678 cs, Calcutta—327 cs, A O Schoomaker Insulation Co Rio de Janeiro—54 cs, Ford Radio & Mica Corp, Rio de Janeiro—95 cs, United Mineral & Chemical Co, Rio de Janeiro—26 cs, J F Garneau Co, Rio de Janeiro—127 cs, Cosmopolitan Trading Corp, Rio de Janeiro—23 cs, Eugene Munsell & Co, Rio de Janeiro

MOLASSES—1,500 bbls, American Molasses Co, Barbados—300 bbls, Barbados

NUTMEGS—672 bgs, Netherland Purchasing Commission, Tandjonk Priok—10 bgs, Catz American Co, Barbados—100 bgs, Dodge & Olcott Co, Barbados—150 bgs, Thomas Scott & Co, Barbados—206 bgs, Middleton & Co, Barbados

NUTMEG OIL—6 cs, Victory Shipping Co, Barbados

OITICICA OIL—255 dms, A J Schwartz, Fortaleza—253 dms, L N Jackson & Co, Fortaleza—122 bgs, W R Grace & Co, Fortaleza—497 dms, Murray Oil Products Co, Fortaleza—443 dms, L N Jackson & Co, Fortaleza—100 dms, Brazil Oiticica, Inc, Fortaleza—55 dms, Enco Chemical Corp, Fortaleza—122 dms, S L Jones & Co, Fortaleza

OLIVE OIL—313 dms, Sterling National Bank, Seville—21 dms, Manufacturers Trust Co, Seville—157 dms, F H Leggett & Co, Seville—145 dms, Hellenic Bank & Trust Co, Seville—158 dms, Lekas & Drivas, Seville—204 dms, Smith, Weihman Co, Tarragona—163 dms, Mawer, Gulden, Annis, Inc, Tarragona—93 dms, Bonoil Packing Co, Tarragona—93 dms, Domenica Dangolo, Tarragona—88 dms, E M Roover, Tarragona—156 dms, R N Delapanha, Malaga—254 dms, Leghorn Trading Co, Malaga—155 dms, Pan American Trust Co, Malaga—156 dms, Seville

ORANGE PEEL—38 bgs, J L Hopkins & Co, Alicante

ORANGE OIL—109 cs, Consumers Import Co, Santos

PALM OIL—2,065 tons, Balfour, Guthrie & Co, Matadi—245 tons, Balfour, Guthrie & Co, Boma

PAPAIN—39 cs, C L Huisking & Co, Mombasa

PAPRIKA—200 bgs, Archibald & Kendall, Alicante

PENDARE GUM—83 bls, H A Astlett & Co, Trinidad

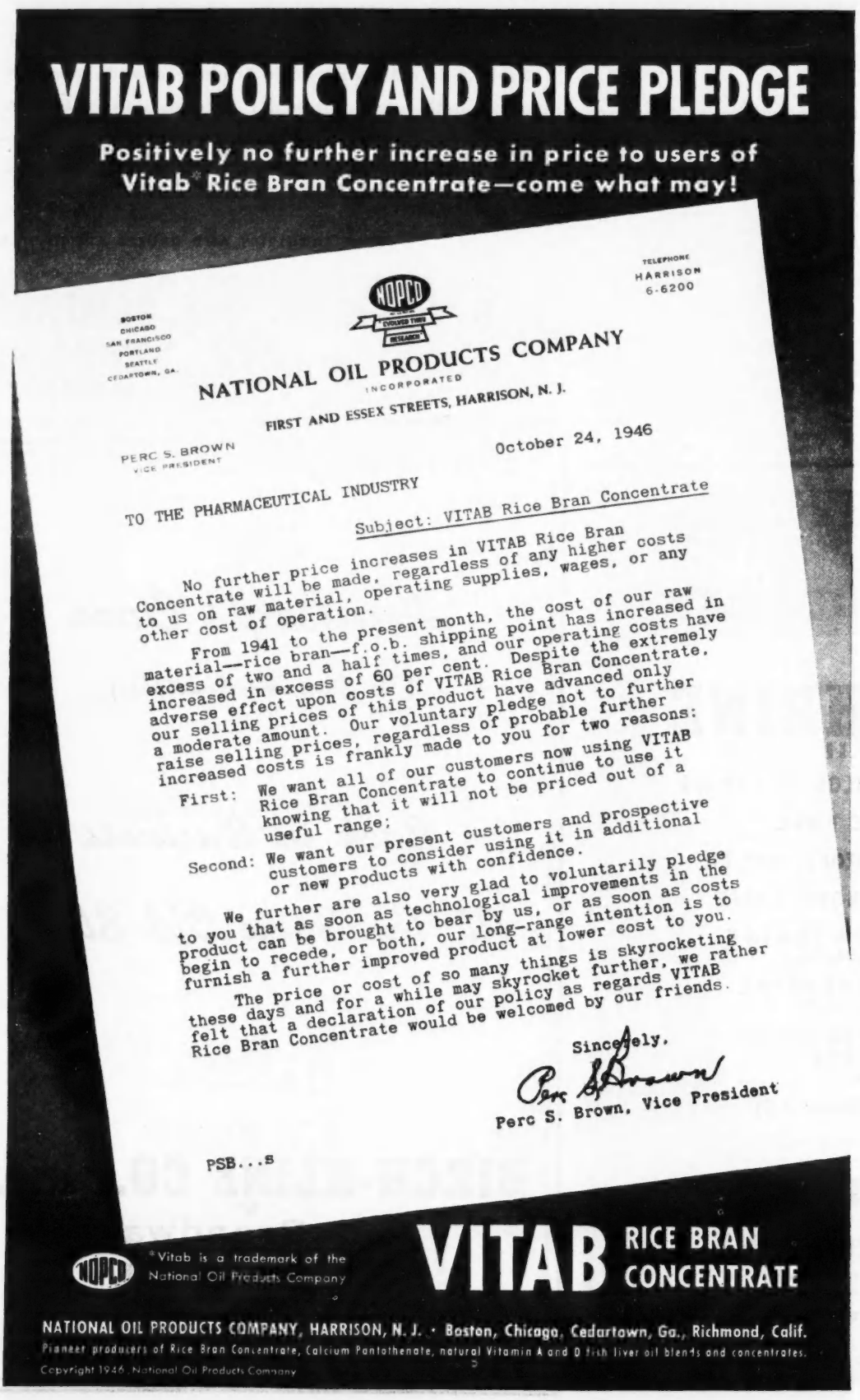
PEPPER,BLACK—24 bgs, Volkart Bros, Cochin—652 bgs, Superintendence Co, Inc, London—2,520 bgs, International Credit Handel, Singapore—white, 2,088 bgs, International Credit Handel, Singapore

PEPPERMINT OIL—3 dms, National City Bank, Rio de Janeiro

PETITGRAIN OIL—25 cs, Centflor Mfg Co, Buenos Aires—11 dms, Norda Essential Oil & Chemical Co, Montevideo—11 dms, Dodge & Olcott Co, Montevideo—45 dms, Trubek Laboratories, Montevideo

VITAB POLICY AND PRICE PLEDGE

Positively no further increase in price to users of Vitab* Rice Bran Concentrate—come what may!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FIRST AND ESSEX STREETS, HARRISON, N. J.
PERC S. BROWN
VICE PRESIDENT
October 24, 1946
TO THE PHARMACEUTICAL INDUSTRY
Subject: VITAB Rice Bran Concentrate
No further price increases in VITAB Rice Bran Concentrate will be made, regardless of any higher costs to us on raw material, operating supplies, wages, or any other cost of operation.
From 1941 to the present month, the cost of our raw material—rice bran—f.o.b. shipping point has increased in excess of two and a half times, and our operating costs have increased in excess of 60 per cent. Despite the extremely adverse effect upon costs of VITAB Rice Bran Concentrate, our selling prices of this product have advanced only a moderate amount. Our voluntary pledge not to further raise selling prices, regardless of probable further increased costs is frankly made to you for two reasons:
First: We want all of our customers now using VITAB Rice Bran Concentrate to continue to use it knowing that it will not be priced out of a useful range;
Second: We want our present customers and prospective customers to consider using it in additional or new products with confidence.
We further are also very glad to voluntarily pledge to you that as soon as technological improvements in the product can be brought to bear by us, or as soon as costs begin to recede, or both, our long-range intention is to furnish a further improved product at lower cost to you.
The price or cost of so many things is skyrocketing these days and for a while may skyrocket further, we rather felt that a declaration of our policy as regards VITAB Rice Bran Concentrate would be welcomed by our friends.
Sincerely,
Perc S. Brown
Perc S. Brown, Vice President
PSB...s

*Vitab is a trademark of the National Oil Products Company

VITAB RICE BRAN CONCENTRATE

NATIONAL OIL PRODUCTS COMPANY, HARRISON, N. J. · Boston, Chicago, Cedartown, Ga., Richmond, Calif.

Pioneer producers of Rice Bran Concentrate, Calcium Pantothenate, natural Vitamin A and D fish liver oil blends and concentrates.

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PETROLEUM, CRUDE — 102,879 bbls, Standard Oil Co of N J, Cartagena—124,179 bbls, Standard Oil Co of N J, Puerto La Cruz —96,233 bbls, Gulf Oil Corp, Las Piedras

QUEBRACHO BARK—36 bgs, R J Gates, Buenos Aires—extract, 5,584 bgs, River Plate Import & Export Co, Buenos Aires

RAPESEED OIL—875 tons, Commodity Credit Corp, Buenos Aires

RED LEAD—400 kgs, London

ROSEMARY OIL—6 dms, S B Penick & Co, Alicante

ROSEWOOD OIL—10 dms, Norda Essential Oil & Chemical Co, Belem

RUTILE ORE—2,100 bgs, Bank of New South Wales, Sydney

SAFFRON—1 cs, National Drug & Chemical Co, Alicante—1 cs, J Weinstein, Alicante —2 cs, Malaga

SEEDLAC—675 bgs, Wm Diehl & Co, Calcutta—800 bgs, Calcutta—300 bgs, Mac Lac Co, Calcutta

SENNA SIFTINGS—20 bgs, S B Penick & Co, Port Sudan

SHARK OIL—1 dm, S L O, St Thomas

SHARK LIVER OIL—37 dms, Borden Co, Buenos Aires—76 dms, Gollett, Week, Nibecker, Inc, Buenos Aires—8 dms, American Home Products, Inc, Buenos Aires

SHELLAC—2,776 bgs, Wm Diehl & Co, Calcutta—1,925 bgs, Calcutta—50 cs, 100 bgs, Wm Zinsser & Co, Calcutta—500 bgs, Mac Lac Co, Calcutta

SORVA GUM—133 cs, L W Dumont Co, Belem

SPINAL CORD—10 bbls, Van Gelder Fanto Corp

SULPHUR, PRECIPITATED—80 cks, New York Quinine & Chemical Works, Liverpool

TANKAGE, LIVER—901 bgs, Armour & Co, Montevideo

TANTELITE—175 bgs, African Metal Corp, Matadi

TAPIOCA FLOUR—2,001 bgs, American Key Products, Inc, Fortaleza—992 bgs, Gejsmar & Co, Fortaleza—3,333 bgs, Doughnut Corp, Fortaleza—6,667 bgs, Fortaleza—8,150 bgs, Stein, Hall & Co, Fortaleza—10,849 bgs, Morningstar-Nicol, Inc, Fortaleza—834 bgs, Le Pages, Inc, Parnahyba—2,500 bgs, Morningstar-Nicol, Parnahyba—834 bgs, Stein Hall & Co, Parnaiba—1,200 bgs, Java American Export Co, Parnaiba—11,328 bgs, Morningstar-Nicol, Inc, Santos

TEAWASTE—1,000 bgs, Citro Chemical Co, Calcutta

TUNGSTEN ORE—119 bgs, Philipp Bros, Buenos Aires—606 bgs, Brown Bros-Harriman Co, Fortaleza

VANILLA BEANS—23 cs, Gillespie & Co, Port Said—11 cs, Netherland Purchasing Commission, Tandjong Priok

VERMICULITE ORE—906 bgs, General Commercial Acceptance, Lourenco Marques

WATTLE BARK—2,537 bls, Vermilye Co, Durban—1,815 bls, River Plate Import & Export Corp, Durban—extract, 2,039 bgs, River Plate Import & Export Corp, Durban

WAX—2 bgs, Socony Vacuum Oil Co, Liverpool

WOLFRAM CONCENTRATES—1,480 bgs, Bank of London South America, Callao—ore, 1,432 bgs, Bluefries, Inc, Tandjong Priok

WOLFRAMITE — 292 bgs, Philipp Bros, Buenos Aires

WOOL GREASE—120 dms, H S Dorf & Co, Liverpool—33 dms, H H Rosenthal & Co, Liverpool

ZINC CONCENTRATES—3,353 tons, W R Grace & Co, Callao

ZIRCON SAND—30,000 bgs, Titanium Alloy Mfg Co, Brisbane—2,711 bgs, Bank New South Wales, Sydney

Baltimore

CHROME ORE—1,066,569 lbs, Philipp Bros, Lourenco Marques—2,741,850 lbs, W H Miller, Inc, Beira—1,000 tons, E J Lavino & Co, Lourenco Marques—502 tons, Sussex Trading Corp, Lourenco Marques—1,226 tons, Westinghouse Electric International Co, Lourenco Marques

MANGANESE ORE—3,000 tons, Carnegie Illinois Steel Corp, Calcutta

MICA WASTE—1,010 bgs, Richmond Mica Corp, Lourenco Marques

PAINT—50 cs, Watson Co, Rotterdam

POTATO DEXTRIN—100 bgs, F H Dolan, Jr, Rotterdam—starch, 1,750 bgs, First National Bank, Rotterdam

VERMICULITE ORE — 926 bgs, General Commercial Acceptance, Lourenco Marques

WATTLE BARK—2,200 bls, River Plate Import & Export Corp, Durban

WHITING—1,000 bgs, Antwerp

Boston

DEXTRIN—103 bgs, A M Meincke, Rotterdam

HIDE CUTTINGS—230 bgs, E Butterworth & Co, Liverpool

MICA—165 cs, Calcutta

OLIVE OIL—79 dms, First National Bank, Seville

QUEBRACHO EXTRACT—3,534 bgs, International Products Corp, Buenos Aires

STARCH—1,302 bgs, A M Meincke, Rotterdam

TAPIOCA FLOUR—4,000 bgs, First National Bank, Fortaleza

TEXTILE GUM—60 cks, J P Marston & Co, Liverpool

Cleveland

CASTOR BEANS—4,650 bgs, Sherwin Williams Co, Fortaleza

Detroit

COPAL GUM—1,670 bgs, Reichard Chemicals, Inc, Matadi

GLYCERIN—116 dms, Reichhold Chemical Co, Montevideo

Hamilton, Ill.

BEES WAX—280 blocks, Dadante & Son, Lobito

Lipton

JABORANDI LEAVES — 160 bls, Inland Alkaloid Co, Parnahyba

Memphis

IRON ORE—66 cks, Hunko Co, Liverpool

Norfolk

BABASSU KERNELS—1,075 bgs, Cooperative Mills, Inc, Belem

COATONSEED CAKES—3,411 bgs, Cooperative Mills, Inc, Fortaleza

FUEL OIL—110,000 bbls, Standard Oil Co of N J, Aruba

MURU MURU KERNELS—1,000 bgs, Cooperative Mills, Inc, Belem

San Francisco

OITICICA OIL—102 dms, Pacific Vegetable Oil Co, Parnahyba—396 dms, Pacific Vegetable Oil Co, Parnaiba

SHARK LIVER OIL—29 dms, Wilbur Ellis Co, Buenos Aires

Seattle

CANARY SEED—148 bgs, C H Lilly & Co, Brisbane

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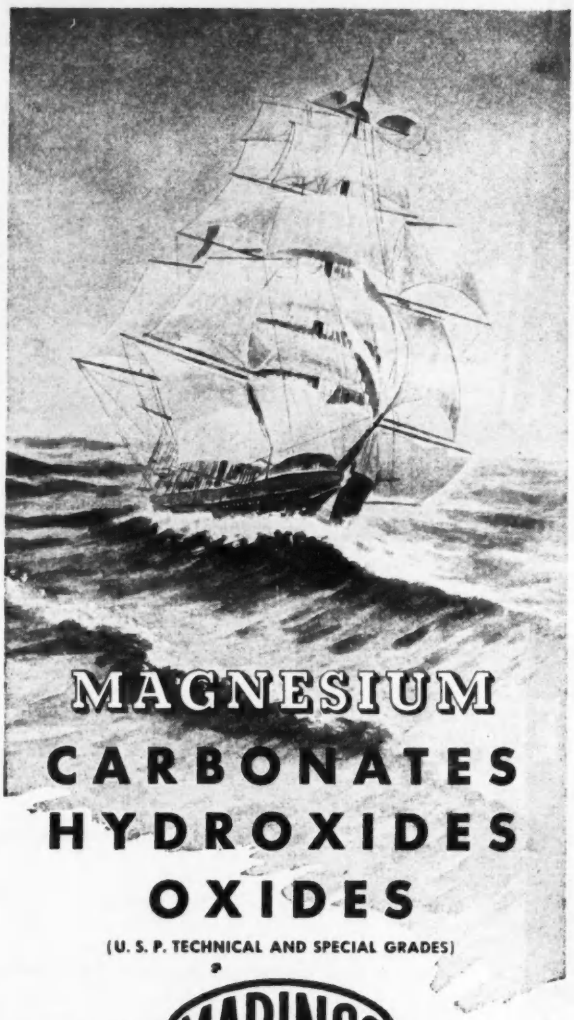

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Labor Relations

—Continued from page 3

(d) Customarily and regularly exercises discretionary powers.

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(a) Assists a bona fide executive or administrative employee, regularly and directly in a nonmanual nature, requiring discretion and independent judgment.

(b) Or, performs under only general supervision, responsible nonmanual office or field work, directly related to management policy or operation, along specialized or technical lines requiring special training, experience or knowledge and the exercise of discretion and independent judgment.

(c) Or, special nonmanual work under only general supervision directly related to management policy or general business operation and requiring discretion and independent judgment.

(d) Or, engaged in transporting goods or passengers for hire and does only outside work, under general supervision, of a specialized or technical nature requiring special training, experience, or knowledge and calling for discretion and independent judgment.

(It is to be noted that the foregoing four qualifying tests are in the disjunctive. Hence, any one of them will suffice for qualification as an administrative employee.)

(a) Predominantly intellectual and varied work as opposed to routine mental, manual, mechanical, or physical work.

(b) Consistent exercise of discretion and judgment.

(c) Work is of a character, the output or result of which cannot be standardized with relation to a given period of time.

(d) Requires knowledge of advanced type in science or learning as distinguished from academic education, apprenticeship and the like.

(e) Or, predominantly original and creative work in a recognized field of artistic endeavor, depending on invention, imagination, or talent, including licenses such as law, medicine, or any branches thereof.

It is manifest that a "Yes" or "No" answer to a coverage question is nigh impossible without reference to all the facts and circumstances in the particular case. Each case must be judged only on its own facts in order to determine the particular employee's status under the law. The foregoing regulations of the administrator are the standards to be applied in each situation.

Other Jobs Classified

As may be anticipated, the division's annual enforcement report includes among the 17,000 violators many of these fringe coverage cases. The courts have likewise dealt with a variety of these exemption cases. Some of the particular jobs whose status under the exemptions of the act have been passed upon this year are the following:—

Operating engineers in power house of plant were held not exempt.

Working foremen: This has been a troublesome problem. The cases turn on the nature and amount of nonsupervisory work performed. In one recent case, a working foreman in the machine shop of a plant was denied exemption by a Federal court. The emphasis there was on the absence of regular managerial or supervisory duties, rather than on the amount of manual work. The division and the courts will, for one thing, look to see if the foreman has employees working under him and whether he is limited to the maximum of 20 percent of nonexempt work. Parenthetically, a recent court decision in denying exemption reminded the employer that the burden of proving exemption is on him and not the employee who is suing for backpay and damages. The employer must be prepared to prove the exemption requirements, or the employee will be presumed to be subject to the overtime provisions.

Buyers in the purchasing department of a manufacturing employer are "administrative" employees since they use their own discretion and judgment when buying.

Bookkeepers, or other usual or ordinary office help are not exempt; whereas, a certified public accountant or office manager is out.

Head shipping clerk has been held to be an executive.

Designer of men's clothing was excluded.

Nurses are excluded if all other requirements, including $200 monthly salary, are satisfied.

Being an officer of the corporate employer will not exempt an employee if he otherwise is covered by the law.

Full Consideration Essential

It is indeed regrettable that after eight years of the act's existence, the Wage and Hour Division's annual enforcement report still shows this inordinately high figure of 17,000 violators. With human nature being what it is, some violations may always be expected. It is equally certain, however, that, with greater care and attention by employers, the total of these wage and hour violations could be reduced to its proper minimum.

This column understands that the Wage and Hour Division contemplates making an intensive enforcement drive this year both within certain industries and in over 50,000 plants. It, therefore, well behooves an employer to check up and see how he stands with reference to the wage and hour law.

The danger today is that employers are prone to concentrate on some phases of the broad field of labor law and relations and overlook or neglect others. Problems of wage increases, union contract negotiations, grievances, and others tend to make the employer lose sight of his duties and obligations under the wage and hour law. He can, of course, ill afford to do this. He must continue to keep fully abreast of all labor laws, neglecting or overlooking none of them.

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ACS Activities

—Continued from page 7

research of the A. E. Staley Manufacturing Company, Decatur, Ill., has been elected chairman of the society's division of sugar chemistry and technology. He succeeds Dr. Robert C. Hockett, director of the Sugar Research Foundation, New York.

Dr. W. M. Moyer

Other new officers of the division are:—Professor M. L. Wolfrom, of Ohio State University, vice-chairman, and J. M. Brown, chief chemist of the Revere Sugar Refinery, Charlestown, Mass., secretary-treasurer.

Dr. Moyer, who was vice-chairman of the division in 1945-46, was on the research staff of the nitrogen division of the Solvay Process Company as a project leader from 1933 until 1937, when he was appointed to his present position.

New York

The William H. Nichols Medal of the New York section of the society has been awarded for 1947 to Professor George B. Kistiakowsky, Abbott and James Lawrence, professor of chemistry at Harvard University. He was cited for "outstanding contributions in the fields of reaction kinetics, spectroscopy of polyatomic molecules and heat effects in organic reactions."

In addition to his accomplishments in the fields mentioned in the citation, Professor Kistiakowsky, as chief of Division 8 of the National Defense Research Committee, has made fundamental contributions in the field of explosives. He also was connected with the Manhattan Project, first as consultant and later occupying the position of chief of the explosives division of the Los Alamos Laboratory. In this capacity he carried out essential research and development work on the behavior and use of high explosives.

Professor Kistiakowsky was born at Kiev, Russia, in 1900. His father was professor of international law at the University of Kiev. After attending private schools in Moscow and Kiev, Professor Kistiakowsky enlisted in the "White Army" in 1918, remaining with the army until its final defeat and evacuation from the Crimea in 1910.

The Nichols Medal award, conferred annually to stimulate original research in chemistry, will be presented to Professor Kistiakowsky on March 7, 1947, at a joint meeting of the society's New York section and the American Section of the Society of Chemical Industry at the Hotel Pennsylvania in New York.

Dibutyl Phthalate Use: Jan., '44-June, '45

Allocations of dibutyl phthalate from January 1, 1944, to June 30, 1945, based on chemical allocation records of the War Production Board, have been released by the Civilian Production Administration. Allocations were as follows:—

	Pounds
Total allocations	9,244,000
Direct military[1]	3,218,000
Foreign[2]	4,000
Other uses	6,022,000
Protective coatings and plastics	5,544,000
Photographic film	357,000
Denaturants	54,000
Miscellaneous uses and small orders[3]	67,000

[1] End-use data not available.
[2] Less than one-tenth of one percent.
[3] Includes small amounts used for inks, cable impregnation, and soap manufacture.

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Drug Trade Conference

—Continued from page 7

that amount as an endowment fund, using the income therefrom in its program.

Appreciation of the pharmacy survey now in progress was voted by the conference, which also pledged its cooperative support of the undertaking.

Opposition was voted with reference to legislation designed to make medical care a function of the state in the manner typified by the Wagner - Murray - Dingell congressional measure.

Establishment, activation, and maintenance of a pharmacy corps in the United State Army in accordance with the relevant enactment of Congress was advocated in a resolution adopted by the conference.

A large part of the annual meeting was devoted to a discussion of the conference's work for uniformity among State laws applicable to the practice of pharmacy. The year's progress was reviewed by Robert P. Fischelis, chairman of the legislative committee, and the chairmen of various subcommittees. The committee did not propose legislation in any of the areas of its activities, but endeavored to provide analyses and guidance for those interested in State legislating. Legislation on livestock remedies and on the defining of the practice of pharmacy was still unfinished business with the committee. Tentative draft had been made of bills in the two fields, but these were still in negotiation among the several interests to whom they would be applicable. Drafting of a uniform poisons law also is as yet uncompleted.

Four drafts of a uniform food, drug, and cosmetic law had been studied. The committee recommended that the original N.D.T.C. draft and that prepared by State food and drug officials be coordinated by embracing the former's statement of interest and deleting the latter's limitation on the refilling of prescriptions, the other differences of the officials' draft being accepted. This recommendation was approved by the conference, which also expressed fundamental approval of effective State food, drug, and cosmetic legislation conforming with the Federal law.

Approval was voted for a draft of a uniform caustic poisons act presented by Ray Schlotterer. The conference also approved in principle a recommendation by H. J. Auslinger, United States Commissioner of narcotics, that State antinarcotic laws be amended to include isonipecaine and that exemptions for narcotics in compound preparations be limited to codeine. The request for that limitation has been presented to the U.S.P. and NF authorities with a view of having formulas of official preparations changed accordingly.

Barbiturates Control

It was emphasized by the legislative committee that public sentiment with reference to the control of sales of barbiturates could not be disregarded; hence all possible constructive effort should be applied to the providing of effective, practicable legislation. The draft of a model State bill was presented in detail and discussed on the floor. This would restrict sales to consumers to dispensing by practitioners of medicine, veterinary medicine, and dentistry or the filling of their prescriptions, refilling being subjected to their control. It would require the keeping of records at all levels, from manufacturer, through wholesaler, pharmacist, practitioner, hospital, and other authorized handlers. It would exempt preparations for external use and those in which the hypnotic or somnifacient action of a barbiturate was counteracted by other drugs, when such were sold in good faith. This draft was approved by the conference, which voted also in advocacy of the enactment of State legislation for the control of barbiturates.

R. C. Schlotterer
Reelected Secretary

The work of the legislative committee was formally appreciated in a resolution by the conference, and the committee was continued for further work on its program, special arrangements of liaisons being made with respect to several items.

Trademark Law Changes

A comprehensive analysis of the Lanham trademark act, which will be-

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come effective next July, was given by James F. Hoge. Among the important innovations of that act are its comprehension of State and common law principles and the case law dicta of courts. These include broadening of registration with extended eligibility for service marks, origins, collective use, concurrent use in different areas, use by licensees or associated companies. Particularly interesting are its provisions that registration of a mark is constructive notice of its use and that after five years of registration a mark is "incontestable." More liberal provision is made for the assignment of marks. The Federal Trade Commission is empowered to sue, as may an individual, for the vacating of trademarks.

Mr. Hoge's commentary will be prepared in full for distribution by the conference.

The statutory reorganization of Congress was discussed by Leslie D. Harrop with reference to the restrictions laid on "lobbying." As he interpreted these, they apply only if legislative activity is the chief function of a representative of a business group and he is paid for it. Those who support such activities with funds are not subject to the law. Individual interest in legislation is not affected, nor is the incidental legislative activity of association officials. Mr. Harrop's advice was that, if doubt of status exists, it is wise to register under the law until its application has been defined in detail by the courts.

The American Foundation for Pharmaceutical Education has been hampered in its fundamental programs by the exigencies of wartime, said Robert L. Swain, but it has maintained scholarships and given some financial first aid to pharmacal schools. Its commitments have aggregated more than $500,000. It has a program comprising $75,000 annually in fellowships, and has taken up the financing of a survey of pharmacal education which is being conducted by Dr. E. C. Elliott. Dr. Elliott said that he had a "Stanley" appointment to find "Livingston."

Contributions to the foundation have totaled $1,300,000, said S. Barksdale Penick, treasurer of the organization. Ernest Little urged that the conference, which launched the foundation, keep a close interest in it. He expressed the view that these days of "financial sunshine" offered an excellent opportunity for successful solicitation of funds.

The treasurer of the Conference, Ray Schlotterer reported a year's receipts of $225, expenditures of $112.34, and a balance of $570.63.

Officers Re-elected

The retiring officers of the conference were re-elected without opposition. They are:—

President, Carson P. Frailey, of the American Drug Manufacturers Association, Washington.

Vice-president, F. J. Cullen, of the Proprietary Association, Washington.

Secretary-treasurer, Ray C. Schlotterer, of the Federal Wholesale Druggists Association, New York.

The members of the executive committee, elected by the constituent organizations, are:—

American Association of Colleges of Pharmacy, Ernest Little.

American Drug Manufacturers Association, Carson P. Frailey.

American Pharmaceutical Association, Robert P. Fischelis.

American Pharmaceutical Manufacturers Association (selection not yet made).

Federal Wholesale Druggists Association, Ray C. Schlotterer.

National Association of Boards of Pharmacy, P. H. Costello.

National Association of Retail Druggists, George Frates.

National Wholesale Druggists Association, E. L. Newcomb.

Proprietory Association, F. J. Cullen.

Ethyl Acetate Quotas In Wartime Reported

Allocations of ethyl acetate from July 1, 1944, to June 30, 1945, based on the chemical allocation records of the War Production Board, have been released by the Civilian Production Administration. Allocations were as follows:—

	Pounds
Total allocations	124,172,000
Export	9,843,000
Other uses	114,329,000
Protective coatings[1]	78,502,000
Chemical manufacture	7,168,000
Ethyl acetoacetate	5,936,000
Acetic acid concentrate	1,232,000
Plastics	4,982,000
Denaturants	4,963,000
Adhesives and cements	4,825,000
Drugs and pharmaceuticals	2,783,000
Smokeless powder	1,028,000
Cleaners and removers	995,000
Impregnated oil seals	755,000
Resins	357,000
Aircraft cleaning	244,000
Food flavors	145,000
Research	89,000
Miscellaneous uses and small orders	7,493,000

[1] For military and industrial equipment and furniture.

Trade Briefs

Licorice roots exported through the port of Basra by Iraq in the first five months in 1946 totaled 2,687 short tons.

Harrower Laboratories, Glendale, Calif., has completed plans for construction of alterations and improvements to its laboratory building at a cost of $14,000.

White Laboratories, Newark, N. J., has appointed Gifford R. Hart vice-president in charge of advertising. He has been associated with the company since 1934 as advertising manager.

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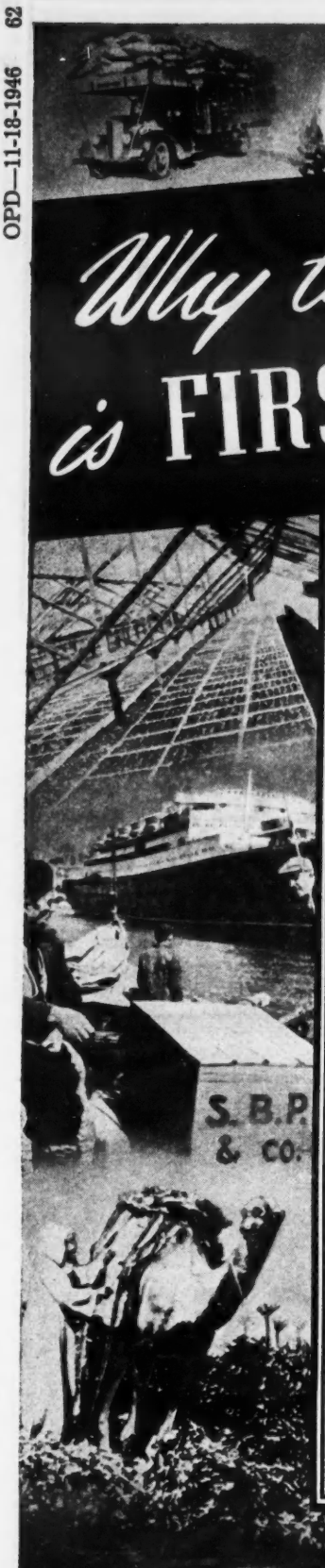

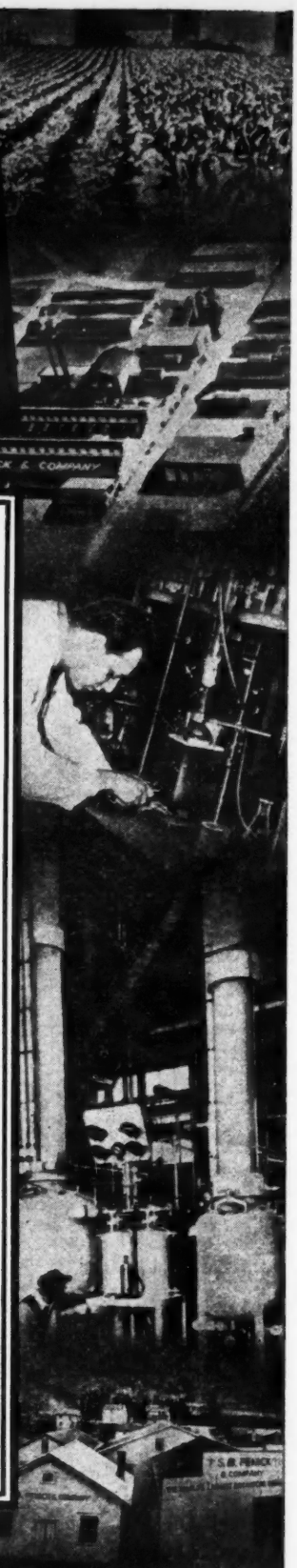

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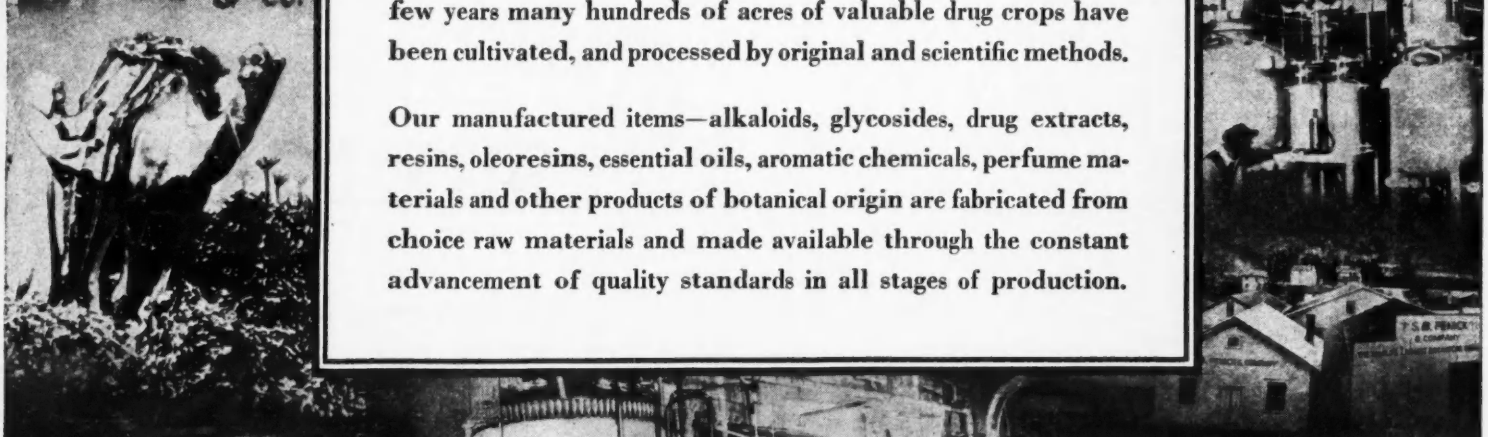

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Botanical Drugs, Spices, Gums

Considering the beset and beside situation in which some other REPORTER markets found themselves when President Truman ended all price control with the exception of sugar, rice, and rents, the calmness that prevailed in the market for botanical drugs was something of a marvel to those who for the first time since 1941 found their pricing restricted only by commercial factors and totally free from government dictate.

But the botanical drug market had no readjustment to make as the result of the President's order. Even the Office of Price Administration during the heyday of its price control activities threw up the sponge when it came to price control over crude drugs, OPA turned control back to the industry at an early date, starting first with domestic botanicals but eventually including those of foreign origin. So, the President's action meant nothing in the life of the botanical drug dealer.

During the period under review, ipecac root from Central America turned further in buyers' favor. Also, an arrival of a rather small lot of Russian cantharides was signalized by a price drop. Gum arabic was more competitive but firmed steadily at the decline. Calendula flowers yielded some of their recent price position under competition, and cubeb berries did likewise.

In the condimental group, mace was the price leader so far as movement was concerned but the strength of scarce black pepper was no small thing. France continued her recent interest in oriental mustard seed from Montana. Also future delivery prices on both brown and yellow seed from that state were advanced along with Danish yellow. Chinese cassia turned easier and lower and clove was fractionally lower in all positions.

Balsams

Copaiba — Jobbing demand alone could be satisfied last week because reserves unsold in the hands of dealers were too small to encourage trade in larger quantities.

Fir—Canadian balsam ruled in very steady position but supplies were not generally well distributed on spot and the replacement situation tended to strengthen.

Barks

Buckthorn—The stock was so limited in size as to make the market a virtually nominal affair. Even small quantities were not well distributed locally.

Cinchona—Reports concerning conditions in the Netherlands East Indies revealed them so dislocated and unsettled as to make trading almost impossible. For example, there are only three varieties of Guilders in circulation. Considering the need of the NEI for dollar credits, it is only the unstable currency and the ferment that is political that prevents quick resumption of exports of cinchona bark to the United States.

Lemon Peel—From Alicante, Spain, came 20 bales of this item and the quality was said to average exceptionally high.

Orange Peel — In addition to peel some Spanish material came to hand in the amount of 38 bags that reached here from Alicante. Demand was routine and normal.

White Pine—Demand finds satisfaction highly difficult and the shortage of bark is certain to increase as Winter requirements undergo their sure expansion.

Beans

St. Ignatius—Some lots were understood to be due to come forward but their movement to this market has been very slow and at this time the arrivals is most uncertain.

Vanilla—Demand found sellers reserved in their acceptance of new orders. Most of the beans now in warehouse are held against earlier commitments of importers and since there is little chance of getting any substantial quantity of beans forwarded to this market, shortage seems inevitable for a long time to come. Prices were very firm.

Berries

Cubeb — Quotations were slightly lower at $1.35 per pound for whole and $1.45 for powdered berries. The supply seems almost certain to increase. Production of cubeb cigarettes may soon be resumed in volume.

Hawthorn—At last has an arrival of this merchandise been noted. During the past week, 34 bags reached here from London but the goods were acquired at fairly high cost to the importer and spot quotations failed to yield to the presence of added stocks.

Flowers

Calendula — Spot quotations were lower at $1.15 to $1.20 per pound. The tendency to accept buyers' bids seemed to have increased and in some respects conditions were much more favorable for consumer operations.

Clove Tops—The article was not too plentiful and under the compulsion of improved request, values worked to the higher level of 70c. to 75c. per pound.

Elder—This was another article in comparatively low supply. Sellers took a generally firmer view on the market and business was reported done at 75c. to 80c. per pound.

Saffron—The average annual output in Spain is estimated at 170,000 kilos worth approximately $4,110,000. Which goes to show that primary market business in Spanish flowers runs into real money. Reports concerning exports mention 2,927 kilos for the period January-June, 1945, and most of this went to Argentina. Saffron is used in Spain as a condiment and coloring material employed in making soup paste, pastry, candy, medicinal products, and in dyeing silk and other textiles.

Gums

Aloe—Stocks of this gum continued to flow in from Capetown, South

Market Trends

Prices Advanced

Drugs

Clover tops, red, 5c. per lb.

Other Articles

Coriander seed, Italian, ¼c. per lb.
Mace, Banda, 30c. per lb.
West Indian, whole, 15c. per lb.
broken, 30c. per lb.
Mustard seed, Montana, brown, futures, ½c. per lb.
yellow, futures, 2c. per lb.
Danish, yellow, 1c. per lb.

Prices Reduced

Drugs

Althea root, 3c. per lb.
Calendula flowers, 10c. per lb.
Cantharides, Russian, $1 per lb.
Cubeb berries, whole, 2c. per lb.
powdered, 2c. per lb.
Gum arabic, ½c. per lb.
Ipecac root, whole, 25c. per lb.
powdered, 25c. per lb.

Other Articles

Anise, Cyprus, ½c. per lb.
Cassia, China, rolls, selected, ½c. per lb.
broken, select, ½c. per lb.
Clove, Madagascar, spot, ¼c. per lb.
futures, ½c. per lb.

Comparative Price Indexes

(190=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
294.4	294.4	294.9	249.6

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended November 7, 1946

New York

Black pepper, 168 bags: dead insects.
Chillies, 143 bags: filthy; insect infested.
Cod oil, 200 drums: decomposed.
Cumin seed, 527 bags: filthy.
Henbane, 18 bales: not official variety.
Kola nuts, 211 bags: insect infested.
Laurel leaves, 504 bales, 3 lots: 2-insect infested; 1—insect infested and excess stems.
Mace, 17 cases: insect infested.
Manioc meal, 4,807 bags: insect infested.
Manna, 8 cases: live and dead insects.
Nutmegs, 620 bags: moldy and wormy.
Oregano, 75 bags: filthy.
Pimento, 50 bags: insect infested.
Sage, 43 cases: not official variety.
from Haiti being available on spot,

For Late Market Developments, See Page 4

OPD—11-18-1946 63

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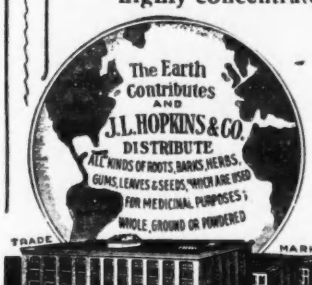
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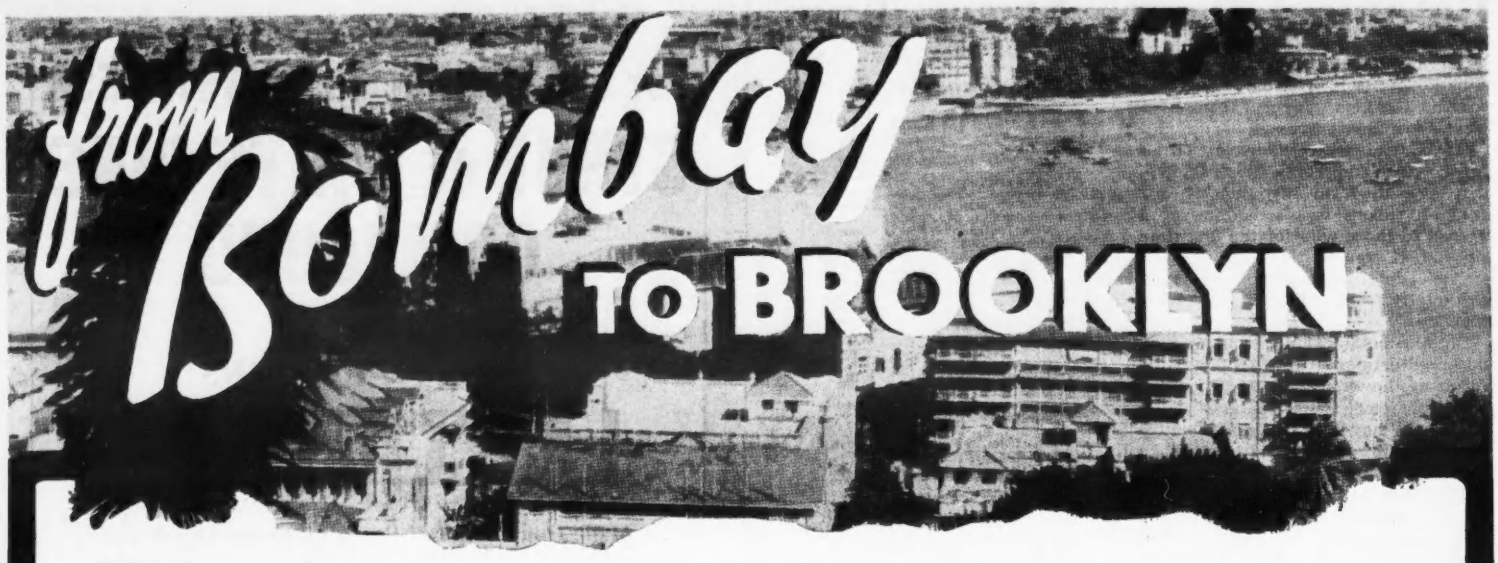

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Africa. The latest arrival totaled 151 parcels of various size and the spot price appeared to stand up well under the increase in stocks.

Arabic—The spot market was lower under competition, trading being reported at 13¾c. to 14¼c. per pound at different times during the past week. Further large quantities from Port Sudan have reached these shores, the latest of which totaled 2,800 bags.

Asafetida—Although the spot stock was not large, it appeared to be sufficient for needs in their current volume. Prices were steady and in line with the most recent advices from the primary markets.

Mastic—No further lots of important size have reached this country, a fact that leaves prices still far above their normal position and sufficiently high to curb much expansion in buyer interest at this time.

Myrrh—A seasonable gain in inquiry and sale was reported as giving substantial support to prevailing prices and checking any insipient tendency toward competition.

Herbs and Leaves

Belladonna—This article remains in nominal position and local circles lack definite information that Europe or any other point will be shipping any substantial quantity to this definitely short market.

Buchu—Reports of prices having ben shaded under rather hot competition for two good sized orders were noted but not confirmed as fact. So far as open quotations went, sellers retained an unchanged price position locally.

Digitalis—Available only in conservative quantities and not subject to an early increase in available supplies.

Henbane — Fair quantities have reached this market but no surplus in the hands of dealers was known to exist and none was in sight.

Lobelia—Britain reports having paid very high prices in this country for a very small amount of merchandise. The crop collection last Summer seemed virtually a failure.

Sage—Dalmatian sage in future arrival position was much higher at 40c. to 41c. per pound. Spots were held at 44c. to 45c.

Miscellaneous

Cantharides—Russia has shipped 6 cases of these flies to the United States and they arrived here last week from Odessa. The spot price became nominal at $8 per pound, which was still far above the level at which Chinese flies may be obtained.

Corn Silk—It would not require much buying to virtually wipe out the spot market of this material. The shortage is acute and the foreign markets hold little stock upon which this country can draw for additional suppliers.

Dragon's Blood—Once the primary market settles its political problems, establishes money with a definite and sustained value, and is prepared properly to conduct its export business, at that time will some chance exist for the restoration of thin reeds to spot supply.

Papain—Moderate quantities continue to come in but they also move promptly into consuming channels and creation of normal reserve supplies continues impossible. Arrivals last week totaled 39 cases from Mombassa.

Roots

Althea—Sales of this article were reported to have been made at 40c. to 45c. per pound following the arrival of additional stocks from Spain. The landing totaled 100 bags and originated in Alicante.

Angelica—An importation of 19 bales from Antwerp, Belgium, was reported last week but the market failed to weaken under the influence of this added spot supply. Demand was moderate.

Ipecac—Values continued to decline on spot. Whole root was down to $4.50 to $4.75 per pound and powder was available at $4.75 to $5. This was for root coming from Central America.

Jalap—Inquiries confirmed the moderate size of spot stocks and attempts to buy replacements in Mexico showed great reserve among sellers doing an export business.

Musk—Reports suggested that there were some buyers awaiting the opportunity to buy this root without

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too much regard for the price to be paid if the delivery was assured.

Rhubarb—Supplies of Chinese root have restored something akin to a balance on spot. Last week, the market was very steady and demand was well maintained along routine lines.

Seeds

Anise—Prices on Cyprus seed were reduced to 45c. to 46c. per pound.

Caraway—The sole price change was the elimination of all quotations on Canadian seed. It appears that Canada cannot compete with seed offered from seven other countries.

Cardamom—Strong in all markets and selling well on spot at the recent advance in price.

Coriander—Morocco seed was offered on the firm basis of 8c. to 8½c. per pound. And Italian seed was fractionally higher at 6¼c. to 6¾c.

Mustard—Danish yellow was higher at 22½c. to 23c. per pound. France continued her interest in Montana oriental seed. Montana brown seed was higher at 11c. to 11½c.; yellow, at the source, up to 18½c. to 19c.

Spices

Cassia—Chinese selected rolls were fractionally lower at 17c. to 17½c. per pound and the broken extra select item was down to 14½c. to 15c. Batavia is unable to get any material through to this country. Three kinds of Guilders—Indonesian, Dutch, and Japanese occupation—circulate and so agitate the true value of money that most people prefer to hold merchandise until stabilization of the Guilder is obtained.

Clove—Madagascar spice on spot was down fractionally to 13¼c. to 13¾c. per pound and futures were 12¾c. to 13¼c.

Mace—Banda was higher and nominal at $1.60 to $1.70 per pound. No Amboyna was reported. West Indian futures went to $1.60 to $1.65, and broken goods to $1.30 to $1.40.

Pepper — Mombassa red chillies afloat were offered at 45c. to 46c. per pound. Black pepper was in high demand but scarcely any could be found in the open market although some goods did come in from the source. The British seem to be handling exports in very queer fashion, especially as high prices have cut primary market consumption rather sharply.

Pimento—Prices on Jamaica material rose to 24c. to 24½c. per pound.

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Essential Oils, Other Aromatics

Twenty-two price changes were effected in the essential oils and aromatic chemicals market last week in the most sweeping revision to occur in many months.

Oils which were advanced in price included apricot kernel, bois de rose, cardamom, dillseed, dillweed, ocotea cymbarum and domestic sassafras. Rectified, USP turpentine was also quoted at a higher price.

Reduced prices were noted in thirteen oils including Chinese anise, cassia, ginger, hemlock, juniper wood, Lavandin, spike lavender, Brazilian mandarin, Paraguayan petitgrain, rosemary, Dalmatian sage, bourbon vetiver, and wormseed. Diphenyl oxide, also quoted at a lower price, was the only aromatic chemical affected by the widespread changes.

The almost equal number of oils increased and decreased in price would seem to indicate that the revisions were a direct reflection of the market picture in the individual oils rather than indicative of an overall tendency to sponsor false interest by manipulation of prices. Those oils which were quoted at higher prices have been firming for many weeks due to tight supply and rising prices at sources. The supply position of oils which were offered at lower prices last week had been undergoing steady improvement making it possible for dealers to pass on benefits to consumers.

Business tendencies and trends in many quarters last week were attributed to election results, the approach of winter and Christmas, and other phenomena which have been known to influence trade, but it was generally felt in the essential oil market last week that trading was being governed by the most healthy influence of all, supply and demand.

Market Trends

Prices Advanced

Apricot kernel oil, cns., 5c. per lb.
Bois de Rose oil, Brazil, cns., 5c. per lb.
Cardamom oil, bots., $1 per lb.
Dillseed oil, bots., 75c. per lb.
Dillweed oil, bots., 75c. per lb.
Ocotea Cymbarum, 5c. per lb.
Sassafras oil, domestic, cns., dms., 5c. per lb.
Turpentine, rect., U.S.P., cns., dms., 4c. per lb.

Prices Reduced

Anise oil, Chinese, dms., 10c. per lb.
Cassia oil, U.S.P., cns., dms., 50c. per lb.
Diphenyl Oxide, 5c. per lb.
Ginger oil, dist., bots., 50c. per lb.
Hemlock oil, cns., 3c. per lb.
Juniper wood oil, tech., cns., 18c. per lb.
Lavandin oil, cns., 15c. per lb.
Lavender oil, spike, Spanish, pure, cns., 30c. per lb.
Mandarin oil, Brazilian, cns., $1.15 per lb.
Petitgrain oil, Paraguay, cns., 25c. per lb.
Rosemary oil, U.S.P., cns., dms., 32c. per lb.
Sage oil, Dalmatian, cns., 50c. per lb.
Vetiver oil, Bourbon, cns., $1.50 per lb.
Wormseed oil, cns., 40c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year
226.3	228.5	228.5	221.7

(For Current Prices see Page 9)

Essential Oils

Anise—The supply position of Chinese oil continued to improve last week, effecting a decrease of 10c. per pound in the quotation. The oil was offered in a range of $1.25 to $2.75 per pound, with the majority of trading still centering in the low priced oils. No imports were reported.

Apricot Kernel—Tight supply forced an increase of 5c. per pound last week in the quotation for this oil. It was reported that the supply position was easing somewhat, but prices in the range from 65c. to 85c. per pound were firm, and no immediate easing was expected.

Bois de Rose—Prices for this oil inched upward 5c. per pound last week, as no apparent relief was forthcoming in supply, and stocks in the American market were far below the needs of consumers. The oil was quoted in a range of $5.30 to $6.00 per pound. Imports totaled ten drums from Brazil.

Cardamon—Rising prices in the Indian market forced an increase of $1.00 per pound in the price of this oil last week as little hope was entertained for relief within the next several months. The range established by the increase was from $19.00 to $25.00 per pound. No imports were reported last week or during several weeks previous.

Cassia—In spite of the fact that prices the previous week had been reported firming, there was a reduction of 50c. per pound for this oil last week in the quotations of one dealer. The range established by the change was from $3.50 to $6.50 per pound. According to reports, no new oil entered the American market during the period under review.

Citronella—Reports from dealers last week indicated that there was greater interest shown by consumers last week in the wake of the court decision affecting the duty-free entry of citronella containing a petroleum distillate. Prices were unaffected. Imports totaled twenty-four drums from Java.

Dill—Price increases were effected last week for both seed and weed oils as quotations were advanced 75c. per pound for each oil. Seed oil was offered in a range of $6.75 to $7.00 per pound, while weed oil was quoted at $4.75 to $5.00 per pound.

Eucalyptus—Prices held firm last week as imports failed to meet the needs of the American market although they were slightly improved over those of the several preceding weeks. Imports included six drums form Brazil, seventeen from Uruguay, and thirty casks from the Belgian Congo. In spite of the strong firming tendency, prices were unchanged.

Geranium—The market was relatively quiet last week as little oil was arriving in the American market, and there were few stocks available from earlier shipments. Prices were firm and unchanged. The seven casks of oil which arrived last week from the Belgian Congo were the first to enter American ports in a month.

Ginger—Increasing availability of lower-priced root oil sponsored a 50c. per pound decrease in quotations last week, as the oil was offered at from $10.50 to $14.00 per pound. Demand bordered on routine, but was good in volume.

Hemlock—Routine trading brought about a 5c. per pound reduction in the price for this oil last week as quotations ranged from $2.60 to $2.75 per pound.

Juniper Wood—The price for this oil was lowered 18c. per pound last week, establishing a range of 65c. to $1.00 per pound. The dull nature of the market developed by the diminishing interest of consumers was said to be the cause of the change.

Lavandin—The price for this oil, which had been gradually lowering at intervals for several weeks, was further reduced 15c. per pound last week to a quotation of $4.00 per pound. Some oil was offered as high as $5.00. There were no imports reported during the period under review.

Lavender—Improving buyer interest, which began several weeks earlier, was undiminished last week as the supply position continued to improve. Quotations for Spanish spike were reduced 30c. per pound, during the period under review, establishing a range of $2.05 to $3.10 per pound for pure grade. Imports during the week totaled seventeen drums of spike oil from Spain.

Lemon—Prices on Italian oil were decontrolled and some sellers raised prices until they ranged $3.50 to $3.85 per pound, as to seller. One quarter continued the old ceiling price of $3.25. Domestic oil was unchanged.

Lime—Market activity continued at a high level last week as demand was constant and supply was steady. Large volume shipments were reported to be moving to consumers as prices held steady at the previous levels. Imports during the period under review included eighty-five cases from the West Indies.

Mandarin—Accumulation of stocks at Brazilian sources with resultant improvement of potential for Ameri-

For Late Market Developments, See Page 4

Givaudan

News Digest

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WIDELY HELD despite the
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RUINED BY ROT prematurely.

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FRONT PAGE as such.
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TRACED BACK to the
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FABRIC BRAIDING exposes vital
INSULATION TO WEAR, resulting in
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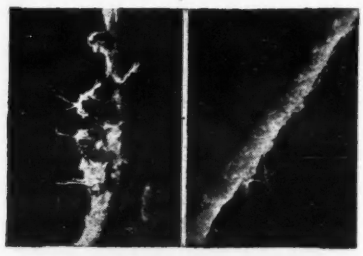

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can market supply prompted a downward revision of $1.15 per pound in quotations for this oil, establishing a range of $5.25 to $10.00 per pound. Buyer interest was moderate.

Nutmeg—Demand continued to exceed supply last week as little trading was noted due to persistent shortages. It was said that oil in the market was of inferior quality, but nevertheless prices were firming slightly although no changes were effected. Imports during the week included six cases from the West Indies.

Ocotea Cymbarum—Supply problems in both Brazilian and American markets, coupled with the constant high level of demand, necessitated an increase of 5c. per pound in quotations for this oil last week. The oil was priced in a range of 90c. to 95c. per pound. There were no imports reported during the week.

Orange—Market activity continued to move at a rapid pace as stocks were undergoing gradual improvement and demand was constant. Prices held steady at the previous levels. Imports during the period under review included 109 cases of Brazilian oil.

Petitgrain—Paraguayan petitgrain was reduced an additional 25c. per pound in price last week although prices at the source continued moderately firm. The range established by the change was from $3.85 to $4.75 per pound. Imports during the week included sixty-seven cases from Uruguay and twenty-five cases from Argentina.

Rosemary—USP oil was quoted in a range of $1.08 to $1.75 per pound last week, a reduction of 32c. per pound from the previous level. The market was moderately active as the supply position was improving and buyer interest was good. Imports during the week included six drums from Spain.

Sage—A gradually improving supply position sponsored a reduction of 50c. per pound for this oil last week as demand barely exceeded supply in an active market. The oil was quoted in a range of $5.75 to $6.50 per pound. No imports were reported during the period under review.

Sassafras—An increase of 5c. per pound for domestic USP oil was quoted last week establishing a range of $1.95 to $2.30 per pound. Demand was moderately good while supply was somewhat restricted.

Turpentine—Rectified, USP turpentine was quoted 4c. per pound higher in drums and cans last week establishing a range of 30c. per pound to 45c. per pound. The increase was attributed to the tight position of crude turpentine and the rising price of that material.

Vet ver—Bourbon oil was quoted in a range of $36.00 to $42.50 per pound last week, which marked a downward price revision of $1.50 per pound. In recent weeks there had been little trading in Bourbon as the item had been hard to obtain, ,and the easing last week was only moderate. There were no imports reported during the period under review.

Wormseed—Prices for wormseed oil, an item which had been particularly tight in recent weeks, were reduced 40c. per pound last week in view of a slightly improved supply position and a diminishing buyer interest. The oil was quoted in a range of $5.60 to $6.75 per pound.

Aromatic Chemicals

Market activity last week was essentially in the same position that it had occupied for months. There was not a great deal of production forthcoming, basic materials were consistently difficult to obtain, war-weary equipment continued to break down, and the majority of producers were patiently awaiting the coming of better times. The future production picture for linalool received a further clouding during the period under review with the advance in prices for bois de rose. The high cost of the material had already made its use in linalool manufacture practically impossible economically, and it was felt that the further advance in cost would eliminate many producers from the market altogether. The availability of essential oils used in manufacturing processes was not materially improved by the end of the maritime strike, but it was generally believed that there would of necessity be an easing in supply in the not too distant future.

Diphenyl Oxide—Prices for this chemical were reduced 5c. per pound

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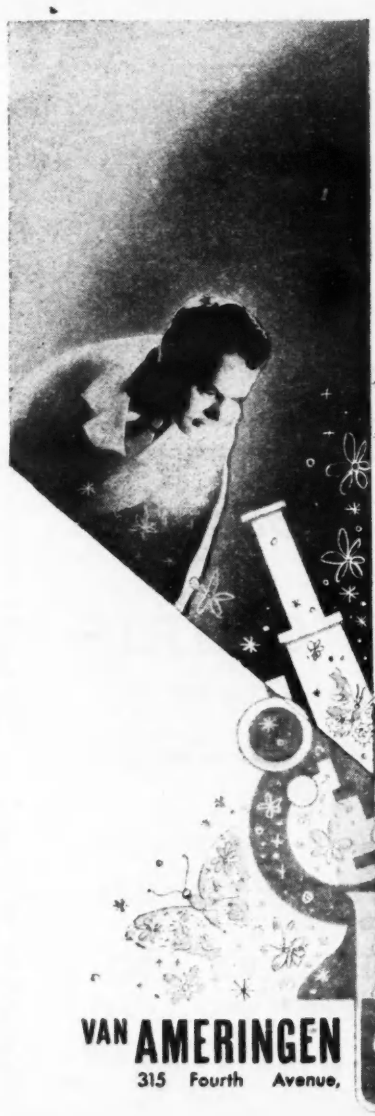

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last week in the first revision noted for many months. The item was quoted in a range of 50c. per pound to 61c. per pound.

Colgate-Palmolive-Peet Transfers Emery to Jersey

Charles Emery, San Francisco district manager, has been promoted by Colgate-Palmolive-Peet Company to the home office merchandising department in Jersey City, N. J., Mr. Emery started with Colgate & Co. in 1922, immediately following college. His initial assignment was clerk in Colgate's San Francisco office. There he worked up to position of assistant office manager.

Six years later, immediately following the merger of Colgate & Co. with Palmolive - Peet, Mr. Emery was transferred to the toilet articles sales department. He was sent to Honolulu as a salesman and in 1937 was made district manager.

In 1943, Mr. Emery was transferred to Seattle as toilet article district manager. Last year he took over the district managership of the department's San Francisco office where he made his headquarters until his transfer East.

Carbide & Carbon Issues New 'Emulsions' Edition

A new edition of its book on 'emulsions' is now being offered by Carbide and Carbon Chemicals Corporation, a unit of Union Carbide and Carbon Corporation. The 72-page book presents over 113 practical formulas and methods for preparing cosmetic and industrial emulsions of oils, waxes, fats, and greases.

Extensive additions and revisions have been made to the material given in previous editions, including description of the uses of "Tergitol" wetting agents, "Carbowax" polyethyleneglycol emollients, and "Cellosize" hydroxyethylcellulose thickener in new emulsion formulas.

The book also describes the use of many of the recently developed amine soaps and cationic dispersants which have become commercially popular as emulsifying agents. Copies may be obtained without charge from any district sales office of Carbide and Carbon Chemicals Corporation, or from its principal office at 30 East Forty-second street, New York 17, N. Y.

Prince Matchabelli Names Dubois to European Post

Randall M. Dubois has been appointed director of European operations for Prince Matchabelli, Inc., perfume manufacturer, New York. He will be in charge of relations between the company and its Paris associate, Les Parfums du Prince Matchabelli.

Ethylvinylether Offered

General Aniline & Film Corporation, New York, has announced the availability of ethylvinylether in limited quantities for research and development purposes. This is the fourth vinyl ether to be announced by General Aniline in the past six months, all stemming from the company's extensive research in high pressure acetylene reactions.

Ethylvinylether is a versatile new chemical and unique with GAF. It may be used as an anasthetic similar to ethyl ether or as an intermediate in chemical syntheses in the pharmaceutical and other fields. It may be converted to polymers and copolymers for use as lacquers and coatings, textile and paper finishes.

The vinylethers are also said to be applicable as raw materials for lubricating oil additives, rubber chemicals, adhesives, and waxes. The three vinyl ethers which have been announced previously are methyl vinyl ether, isobutyl vinyl ether and n-butyl vinyl ether.

California Standard Oil Company has named W. F. Barbat assistant chief geologist for a new exploration department.

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Petroleum Derivatives

An extremely competitive market sponsored widespread price changes in tankwagon lots at many points last week. Mineral spirits prices and V. M. & P. naphtha prices were advanced at six centers, and Stoddard solvent prices were advanced at four. Cleaners' naphtha in tanks, refinery, was reduced ½c. per gallon in the East Coast-N. J.-N. Y. area, rubber solvent in tanks, Group 3, was reduced ⅜c. per gallon, and V. M. & P. naphtha in tankwagons was reduced .8c. per gallon at Detroit.

Posted prices for crude oil purchased in Texas and Louisiana were advanced 5c. to 28c. per barrel, effective November 15, by one major company in the third increase in United States crude petroleum prices in 1946. The increase for East Texas and Louisiana, Texas and Gulf Coast crude amounted to 10c. per barrel. It was expected that the tight market situation would necessitate the following of the increase by other purchasers and the application of it in other principal oil fields.

The Bureau of Mines estimated demand for crude petroleum in the third quarter at 4,860,000 barrels daily, and forecast demand for the fourth quarter at about 4,750,000 barrels daily. Amount needed to meet the demand for November, 1946, was estimated at 4,730,000 barrels daily. Total stocks of all oils increased from 464,000,000 barrels on January 1 to 480,000,000 barrels on June 30, and were estimated at 510,000,000 barrels on September 1. The major increment was in stocks of refined products which increased 13,000,000 barrels in the second quarter and gained about 31,000,000 barrels in the third quarter.

Market Trends

Prices Advanced

Crude petroleum, Texas-La., 5c. to 28c. per bbl.
Mineral spirits, tankwagons, Buffalo, N. Y., 2c. per gal.
Kansas City, Mo., 1½c. per gal.
Providence, R. I., 1c. per gal.
Rochester, N. Y., 1c. per gal.
St. Louis, Mo., 1.2c. per gal.
Syracuse, N. Y., 2.3c. per gal.
Stoddard solvent, tankwagons, Boston, Mass., ½c. per gal.
Newark, N. J., 1½c. per gal.
New York, N. Y., ½c. per gal.
Syracuse, N. Y., 2.8c. per gal.
V.M.&P. naphtha, tankwagons, Boston, Mass., ½c. per gal.
Chicago, Ill., .3c. per gal.
Milwaukee, Wis., 1c. per gal.
Minneapolis, Minn., 1c. per gal.
New York, N. Y., ½c. per gal.
St. Louis, Mo., 1.2c. per gal.

Prices Reduced

Cleaners' naphtha, tanks, refinery, E. Coast, N. J., N. Y., ½c. per gal.
Rubber solvent, tanks, Group 3, ⅜c. per gal.
V.M.&P. naphtha, tankwagons, Detroit, Mich., .8c. per gal.

(For Current Prices see Page 9)

Solvents and Diluents

Cleaners' Naphtha—Routine trading, restricted essentially to seasonal consumers, brought about a decrease of ½c. per gallon for this item in tanks, refinery, East Coast-New Jersey-New York area, last week, establishing a price of 11c. per gallon. Supply was good, and shipments on all orders were well maintained.

Mineral Spirits—Tankwagon prices at several points were increased last week in the wake of advances effected in East Coast areas the previous week. Prices at Buffalo, N. Y., were advanced 2c. per gallon to 13½c. per gallon; Kansas City, Mo., prices increased 1½c. per gallon to 14.3c. per gallon; Providence, R. I., prices moved up 1c. per gallon to 15c. per gallon; Rochester, N. Y., prices advanced 1c. per gallon to 13½c. per gallon; St. Louis, Mo., prices were increased 1.2c. per gallon to 14.9c. per gallon, and Syracuse, N. Y., prices moved up 2.3c. per gallon to 15½c. per gallon.

Rubber Solvent—Tank prices in Group 3 were decreased ⅜c. per gallon last week to establish a price of 8⅛c. per gallon for the derivative. Supplies in most areas were fair to good and shipment on both contract and spot were reported to be steady. The West Coast area, however, continued to be faced with serious shortages. Buyer interest was at a high level, and was said to exceed supply at most centers.

Stoddard Solvent—Prices for this derivative in tankwagons rose at several points last week. Prices at Boston, Mass., were advanced ½c. per gallon to 13c. per gallon; Newark, N. J., prices increased 1½c. per gallon to 13½c. per gallon; New York postings were moved up ½c. per gallon to 12c. per gallon, and prices at Syracuse, N. Y., were advanced 2.8c. per gallon to 15½c. per gallon. Demand at all centers was reported to be consistently high, and shipments on both contract and spot were in good volume.

V.M.&P. Naphtha—Increased prices in tankwagons were reported from six points last week as increased prices were noted in many items among solvents and diluents. Boston, Mass., prices advanced ½c. per gallon to 14c. per gallon; Chicago prices moved upward .3c. per gallon to 14.9c. per gallon; prices at Milwaukee, Wis., advanced 1c. per gallon to 16½c. per gallon; Minneapolis, Minn., prices were increased 1c. per gallon to 16.4c. per gallon; New York postings were upped ½c. per gallon to 13c. per gallon, and St. Louis, Mo., prices advanced 1.2c. per gallon to 15.9c. per gallon. Detroit, Mich., tankwagon prices were reduced .8c. per gallon to 16.3c. per gallon.

Markets at Other Centers

Chicago—Market activity was in general good with buying interest holding at the high levels of recent weeks.

Aromatic Naphthas—Active interest, unchanged prices.

Cleaners' Naphtha—Business good, steady market.

Lacquer Diluent—Inquiry good, prices steady.

Mineral Spirits—Trading moderate, unchanged prices.

Rubber Solvent—Extensive interest, steady prices.

V.M.&P. Naphtha—Tankwagon prices advanced 3c. per gallon, interest fair.

Los Angeles—Market tone firm. Excellent demand continued to be noted for all petroleum solvents and diluents in this area. Supplies, with the exception of rubber solvent, were good.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended November 2 totaled 221,870,000 barrels, according to the Bureau of Mines. Compared with the total of 221,184,000 barrels for the preceding week, this represented an increase of 686,000 barrels, comprising an increase of 232,000 barrels in stocks of domestic crude and an increase of 454,000 barrels in stocks of foreign crude.

Petrolatums and Waxes

Microcrystalline Waxes—Demand in this market continued very heavy last week as producers were operating at top capacity in an attempt to complete shipments on past orders and make progress against new orders which were far behind schedule. Prices held firm and unchanged.

Paraffin—The market was dull last week as it was held inactive by enduring shortages and movement of stocks on back orders was reported to be very slow. No spot stocks were available anywhere, and buyer interest was rapidly diminishing. Prices continued to firm, but no changes were reported.

Petrolatums — Persistent shortages slowed activity last week, although it was said that contract orders were being met with fair shipments and a few new orders were being filled. Prices continued to firm and increases were expected momentarily.

White Mineral Oils—Buyer interest held strong last week in the face of potential supply improvement, and the market was, in general, active. Prices held firm and unchanged.

Markets at Other Centers

Los Angeles—Paraffin wax remained in poor supply here last week. Both refined and crude scale waxes were in good demand.

For Late Market Developments, See Page 4

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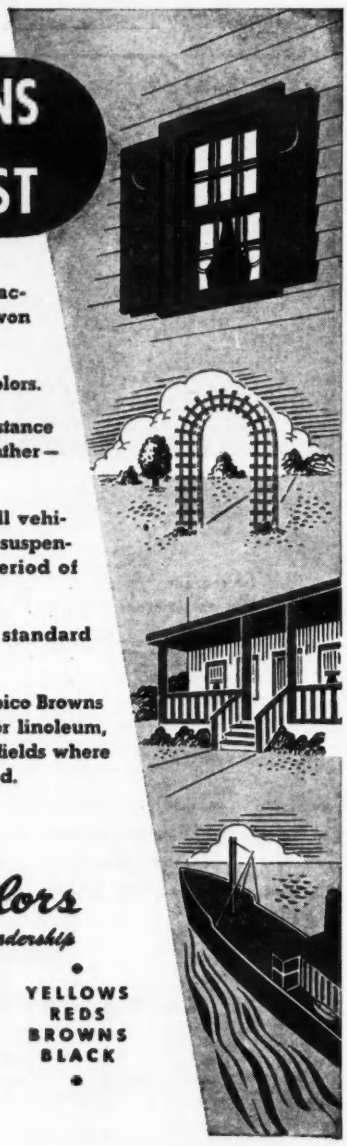

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60 East 42nd St., New York 17, N.Y.

Protective Coatings Materials

The return to free enterprise, made possible by the lifting of all controls except those on sugar, rice and rents by the Office of Price Administration, was the exciting and long-awaited news received by the paint industry last week. This event was generally received with enthusiasm but the ever-present fearful aspect of prices soaring beyond control seemed to be in back of everyone's mind. Immediately following decontrol, prices were sharply advanced on many commodities. But there were still many others that assumed a withdrawn position and waited to see what the result would be. Caution was the prevalent word and it appeared that industry officials were going all out to keep prices at a reasonable level.

Although it was almost certain that increased production would result from the decontrol measures, no immediate relief could be foreseen. Paint officials stated that because of raw material shortages and overwhelming demand, it might possibly be a year before supply would be in balance with demand. At any rate, today's prospects were better than they have been for many months.

Turpentine and its products took off immediately after decontrol and soared with advances ranging from 20c. to 30c. per gallon. Reminiscent of what happened to the rosin market when it was decontrolled, producers were fearful of the future of this market. Already distributors have noticed a tendency by consumers to shy away from the market and accept the lower priced substitutes now available.

Market Trends

Prices Advanced

Alumina stearate, precipitated, 19c. per lb.
Barium stearate, 14½c. per lb.
Calcium stearate, precipitated, 15½c. per lb.
Dipentene, 15c. per gal.
Lead, 2¼c. per lb.
Lead, red, 95-98%, PbO_4, 2¼c. per lb.
in oil, 2.1c. per lb.
Lead, white, basic carbonate, 2¼c. per lb.
in oil, consumers, 2.45c. per lb.
painters, 2.35c. per lb.
Litharge, 2¼c. per lb.
Lithopone, 1c. per lb.
Magnesia stearate, 15½c. per lb.
Oil, pine, 15c. per gal.
Turpentine, gum, 26c. per gal.
wood, 23c. per gal.
steam-distilled, 22c. per gal.
sulphate, 15c. per gal.
Zinc, 1¾c. per lb.
Zinc oxides, 1c. per lb.
Zinc stearate, U.S.P., c.l., 16c. per lb.
l.c.l., 15½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
155.7	155.4	155.4	140.2

(For Current Prices see Page 9)

Metallic Lead and Zinc

Lead—The lifting of lead controls by the OPA with the subsequent price advances was accomplished last week and was hailed by the industry as the first step in the right direction as far as increased lead production was concerned. Immediately following decontrol, lead prices were raised by one major company to the new price of 10½c. per pound in New York. Other companies soon followed this procedure. The new price indicated an increase of 2¼c. per pound over the old ceiling price of 8¼c. per pound. Producers were of the opinion that this price would not be constant until a general view of the new free trade in the industry could be ascertained. It was probable that another increase would be forthcoming although the possibility of a slight reduction was not being overlooked.

The new price of 10½c per pound was approximately equal to the "world price" which has been constant for some time. Producers felt that the decontrol measures would definitely result in an increased flow of lead, an objective which has been sought for many months. The lead industry is striving to keep prices at a nominal figure and prevent advances that would prove destructive to the industry.

Zinc—This market was also greatly affected by the general curbing of the OPA last week. Little time was lost between zinc decontrol and the subsequent advance in prices. A major zinc producing company promptly announced an increase of 1¼c. per pound, which made the current price 10½c. per pound, and was soon followed by practically all of the other zinc producing companies. It was felt that the return to free enterprise would stimulate the flow of zinc and zinc products to consumers. The new zinc price of 10½c. per pound, however, was declared to be slightly below the "world price" when import duty was taken into consideration. Although this was true, it was hoped that the new price would provide enough stimulus for increased imports to make up the difference between domestic production and the higher domestic consumption.

Pigments

Litharge—The recent curbing of the Office of Price Administration with the subsequent release of lead from controls, has finally cast a hopeful outlook into this market. Previously, the chief reason given for the litharge shortage was the low lead ceiling price. Decontrol immediately brought a litharge price advance with one producer indicating a 2¼c. per pound increase. Litharge was now being quoted at 13c. per pound in barrels.

Lithopone — With the ending of price controls and the subsequent price advances in lead and zinc, lithopone was advanced approximately one cent per pound last week. Carlot prices being quoted were 5c. per pound for ordinary lithopone, in bags; barrels ¼c., and less carlots ¼c. per pound higher. Titanated lithopone was 6¾c. per pound, in bags and 7c. per pound for smaller lots.

Titanium Dioxide — Good production continued to satisfy the continued high demand in this market as another active trading week was concluded. Although titanium dioxide was decontrolled by the abolishment of the OPA, a desire for the maintenance of price stability was expressed in important directions.

Red Lead—New hope was given to this industry as price controls were ended. In a market that has been beset by shortages for so long a time, the advent of price decontrol was accepted as a possible solution to the retarded production situation. Dry red lead was up 2¼c. per pound and was now being quoted at 14c. per pound by one producer. Red lead in oil was selling at 17.85c. per pound, indicating an increase of 2.1c. per pound.

White Lead — Another market expecting to profit by increased production as the result of the recent decontrol measures, white lead experienced a price advance of 2¼c. per pound, according to one producer. Dry white lead was now being quoted at 12¼c. per pound, and white lead in oil was bringing 17¾c. per pound, in 100-pound kegs. Although these price advances were expected to improve the situation, no appreciable help was seen in the immediate future due to the large backlog that existed.

Zinc Oxide — Following the 1¼c. price increase in zinc, zinc oxides were advanced. The following carlot prices are now in effect:—American process lead-free, 9c. per pound; leaded 5 percent, 9c.; 35 percent lead, 9¾c.; 50 percent lead, 18⅛c. French process, green seal, 10¾c. per pound; white seal, 10¼c.; red seal, 10¼c.; USP, cartons, 12¼c. Less carlot prices were ¼c. per pound higher.

Dry and Chemical Colors

Blues—No price changes were reported to have been made as yet but it was rumored among trade circles that a possible change might result from the increased costs of iron blues.

Chrome Colors—This market, which has experienced shortages for sometime, was faced with the possibility of a price increase since its removal from control by the suspension of OPA. However, one large producer did not believe his prices would change before the first of the year

For Late Market Developments, See Page 4

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A-19

since most of his orders were carried on a contract basis.

Iron Oxide — Unaffected by the abandonment of the OPA, price changes were not expected in this market. Demand continued to be excellent but producers were having difficulty in supplying all consumers with the stocks at hand. Imports totaling 414 casks and 450 barrels were received from Spain last week.

Yellows—Although no price changes have been announced as yet, it was deemed probable among producers that an increase might be forthcoming as a result of increased costs of raw materials.

Driers and Flatteners

Recent removal of price controls has effected the price structure of drying materials previously under control and those that were free from ceilings. However, due to the present unstable condition in the price field, producers were not able to quote new prices in some of the markets.

Napthenates—Only change over the previous week in this market was the prospect of an increase in prices as soon as the present over-all price turn-over shows signs of becoming stable. An active market was again witnessed last week with trade circles declaring that very favorable production existed, supplying adequate stocks to an active market. Producers declared that no backlog of orders existed in this market.

Stearates — This market which has been plagued with shortages for many months, was subject to violent price changes last week. One producer quoted new stearate prices showing an average advance of approximately 15c. per pound. However, the opinion held in trade circles was that before prices settled down, an advance of from 90 to 100 percent would be witnessed. Due to the severe advance in fatty acid prices and the 100 percent increase in stearic acid prices, it was probable that a 90 to 100 percent stearate price increase would result. Most producers were hesitant about making new prices available for publication and assumed the attitude of watchful waiting until the situation became more stable.

Fillers and Extenders

Barytes—Inquiry was good last week and producers reported that they were able to meet the demand as adequate stocks were being produced. The market was declared to be active and prices were firm with no price changes being reported.

Chalk — Shipments of 200 bags of common and 250 bags of precipitated chalk were received in American ports last week from England.

China Clay — Imports totaling 102 casks of this material were received in home ports from England last week.

Fuller's Earth—From England came 200 bags of this commodity during the period under review.

Graphite—Arrival in American ports of 250 bags of this material from Ceylon was reported last week.

Whiting—An aggregate of 1,000 bags of this commodity was received in American ports during the period under review. These shipments originated in Belgium.

Lacquer Materials

Butyl Acetate—This market was in a slightly withdrawn position last week as natural fermentation products were removed from price controls. Good demand continued to be in evidence but supplies were below adequate. It was the opinion in trade circles that a definite price advance would be invoked but producers were hesitant about jumping prices without a thorough survey of the situation. Prices remained at previous levels as the week ended.

Butyl Alcohol — Similar to butyl acetate, this product produced by the natural fermentation process was released from price controls last week. A subsequent price advance is expected, but again, producers were desireable of looking into the matter before a new price change was effected. Inquiry was good but enough supplies were not available to satisfy all consumers.

Pyroxylin—The September pyroxylin spread of 6.3 million pounds was 10 percent less than the 7.0 million pounds spread during the previous month, reflecting chiefly a reduction in the number of working days, but was 14 percent more than the 5.5 million pounds spread during September 1945, according to a Bureau of Census report.

Varnish Gums

Copal—A market that has been besieged with good interest for sometime, copal was greatly strengthened by the arrival of good shipments from the Congo last week. Total arrivals of 17,144 bags of this gum were received in home ports last week.

Dammar—This market was becoming increasingly more attractive as larger shipments and producer competition continue to be in evidence. Prices were reported to be a good deal lower than those quoted when this market was again opened at the close of the war, thereby offering a much more attractive market. Shipments totaling 250 cases and 410 bags were received from the Philippines last week.

Shellac—Good shipments of shellac from India were received last week and were eagerly received as a means of reducing some of the backlog that had been built up in past weeks. The market was declared to be easier but showed a tendency to become firmer as the week ended. Interest was good as bleaching plants continued to be worked at a fast pace, trying to keep up with past and present demand. Imports from India totaled 5,881 bags and 50 cases last week. Prices remained unchanged ranging from 70c. to 71c. per pound for bleached and 66c. to 67c. per pound for TN.

Naval Stores

Rosin—Market activity was rather dull last week with the high rosin prices forcing a skeptical and cautious attitude upon consumers. Rosin showed a tendency to become firm and prices were fluctuating somewhat less than usual. Export demand continued to be good but the difficulty in obtaining licenses was still the major problem. It was assumed that this would continue until a fairly accurate count of the rosin available for domestic consumption was made. Low and medium grades were still unavailable and was probably due to the new modern methods of producing clean rosin over the older and more inefficient methods. Consumers remained hesitant about procuring large amounts of high-priced rosin stocks.

Savannah, Nov. 18.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thur	Fri.
B	...	$6.80	$6.80	$6.80	$6.80
D	...	7.00	7.00	7.00	7.00
E	...	7.30	7.30	7.30	7.30
F	...	7.80	7.82	7.82	7.82
G	...	7.80	7.82	7.82	7.82
H	...	7.80	7.82	7.82	7.82
I	...	7.80	7.82	7.82	7.85
K	...	7.80	7.82	7.82	7.85
M	...	7.80	7.82	7.82	7.85
N	...	7.80	7.82	7.82	7.85
WG	...	7.80	7.82	7.82	7.85
WW	...	7.85	7.83	7.85	7.88
	Drums				
Sales	...	...	207	...	30
Receipts	...	536	1,051	662	4,972
Shipments	...	100	933	...	6,017
Stocks	...	15,978	16,096	16,758	15,713

Turpentine — The expected decontrol of turpentine finally occurred last week as the OPA died a quick death. Immediate price advances resulted ranging up to 35c. per gallon for gum turpentine and it was expected by distributors to go even higher. Distributors were fearful of these sudden price advances and noted that sales resistance evidenced by consumers was very great. It was the opinion in trade circles that if prices continued to rise, consumers would seek to alleviate their needs by the use of many efficient substitutes now on the market. Wood turpentine was also increased with a reported 23c. per gallon advance being noted. Steam-distilled turpentine was

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UNITED STATES STEEL

up 22c. per gallon and turpentine sulphate was reported selling at 95c. per gallon. Pineoil and dipentene were also reported to have been advanced approximately 15c. per gallon.

Even though some activity was noted in the market as a result of the decontrol, it was expected that shortages would still continue since lack of production rather than low price ceilings was the chief reason for short stocks.

Savannah, Nov. 18.—Following is a record of the turpentine market for the week:—

	Bulk gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Monday	...	...	...	...	...
Tuesday	$1.25	1,850	221	672	2,631
Wednesday	1.31	...	782	407	3,006
Thursday	1.31	...	...	62	2,944
Friday	1.40	1,100	2,562	2,430	3,076

Glues and Binders

Bones—An arrival of 14,422 bags of this material was reported to have been received in Atlantic ports last week. These shipments came from Argentina.

Casein — New developments were not forthcoming in this market last week as consumers were unable to purchase any new stocks from the Argentine. Solution to the prolonged bemuddled Argentine casein situation continued to be lacking and trade circles saw no relief before next month. Since new imoprted stocks could not be purchased, there were no price quotations made available.

Production of domestic dry casein during September continued at high levels compared with a year ago, although it declined much more than seasonally from August to September, according to a Department of Agriculture report. Production during September was estimated at 1,025,000 pounds, a gain of 55 percent from a year earlier but still 53 percent below the 1940-44 average. The seasonal decline from August to September was 34 percent, the sharpest on record. Manufacturer's stocks of domestic dry casein held on September 30 totaled 4,790,000 pounds, the lowest of record for the date except for 1943 when stocks were only 2,707,000 pounds. Stocks at the end of September were 32 percent lower than a year earlier.

Glue—Shipments of 32 cases and 522 bags of this commodity were received in American ports last week from Argentina and Belgium.

Reichhold Expands Phenolic Resin Output

Production of the line of phenolic resin adhesives and varnishes, hitherto manufactured only in the company's Detroit and Tuscaloosa plants, will be extended shortly to plants at Seattle, Elizabeth, N. J., and South San Francisco, as well, Reichhold Chemicals, Inc., Detroit, has announced.

The first year's resin production at Seattle alone is expected to be in excess of 25,000,000 pounds, and this, together with the Elizabeth and South San Francisco outputs, plus vastly increased production at Detroit and Tuscaloosa, should, to a considerable extent, relieve the phenolic resin shortage which has plagued users this year, the company said.

Cashew Nut Oil Plant Being Built in N.J.

A plant that will be used to process the oils from the shells of cashew nuts after the meats have been removed is now under construction for the Irvington Varnish and Insulator Company, Irvington, N. J., the H. K. Ferguson Company, industrial engineers and builders, has announced.

The process in the new $1,500,000 facilities will consist of treating and reacting cashew nut shell liquid to produce various products used in the manufacture of electrical insulating varnishes, bonding resins, friction fortfiers for the brake lining industry, insecticides, plasticizers and extenders for synthetic resins and rubber.

Universal Trading Names Eno Wood Oil Sales Head

Robert Eno, formerly with the Baker Castor Oil Company, has been named sales supervisor of the wood oil department of the Universal Trading Company, New York.

AHCO PRODUCTS

METHYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" STEARATE, a synthetic ester, is used as a plasticizer for cellulose derivative, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	22° to 24°C
Flash point	378°F
Acidity	less than .6 mg. KOH per gram ester
Specific gravity	.888 at 25°/25°C
Iodine value	2 max.

Low volatility

* Trade mark of C&CC.

BUTYL STEARATE

BUTYL STEARATE, a synthetic ester, is used as a plasticizer for cellulose and polyvinyl derivatives, also for cosmetics, paper coatings and wax finishes. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	19° to 20°C
Flash point	358°F
Acidity	less than .6 mg. KOH per gram ester
Saponication number	171-179 mg. KOH per gram ester
Specific gravity	.85-.86 at 20°/20°C
Iodine value	2 max.

Low volatility

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Commercial Grade	86	98	176	218	229	238	270
Research Grade	98	99	210	216	230	231	252
DODECENE							
Commercial Grade	87	95	318	341	360	374	406
Research Grade	98	99	346	350	352	354	378

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Anti-Fouling Paints Research Results Told

OPD Washington Bureau

Anti-fouling paints of different composition for ship bottoms show marked variations in the rate at which they are attacked by bacteria in sea water, according to an American research report now on sale by the Office of Technical Services, Department of Commerce. The report describes the effect of barnacles, oysters, toredo, and other marine organisms on anti-fouling paints.

The report, written by Robert L. Starkey and John D. Schenone, contains the results of wartime research on paint destruction and metal corrosion at Rutgers University, New Brunswick, N. J., carried out under contract with the Office of Scientific Research and Development.

In laboratory tests clean, painted panels were subjected to cultures of sulphate-reducing bacteria in sea water. Paraffin, linseed oil, alkyd, and phenolic resins decomposed rapidly, the report states. Chlorinated rubber decomposed slowly, and halowax, coal-tar pitch, chlorinated styrene, and vinyl resin resisted decomposition almost entirely.

Easy and rapid tests with biological indicators might show the relative efficiency of anti-fouling paints, according to the report. The horse mussel failed to attach to panels that had been painted with one of the compounds tested, either when the panel was coated with slime or had been cleaned. The toxic effects of the paint were evident some distance away from the panel. Most sensitive of all the organisms used in the tests was the mud snail, which died when placed in very dilute washings from panels painted with the antifouling compound.

Orders for the report "Microbiological and Zoological Aspects of Paint Destruction and Metal Corrosion, Final Report," PB-27291; photostat, $6; microfilm $2); should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C., and should be accompanied by money order or check, payable to the Treasurer of the United States.

Tripoli Use Increase Reported by Mines Bureau

OPD Washington Bureau

Development of many new industrial uses for tripoli has substantially increased the demand for this natural abrasive, according to a new publication released by Dr. R. R. Sayers, Director of the Bureau of Mines.

The publication, containing the latest statistical data on the production, sale and importation of tripoli, also provides detailed information on the physical and chemical properties, mining, preparation, and marketing of this mineral. A list of the major domestic producers of tripoli, amorphous silica, and rottenstone also is presented in the new circular.

A free copy of the publication, Information Circular 7371, "Tripoli," may be obtained by writing to the Bureau of Mines, Department of the Interior, Washington, D. C.

Clay Offered by RFC

OPD Washington Bureau

The Reconstruction Finance Corporation has announced that its subsidiary, United States Commercial Company, will sell, f.o.b. ocean vessel, German Port, on a sealed bid basis 100 metric tons of Schippach Dunkelblau clay. A minimum or up-set price will be set. The sale of this clay is being handled by the United States Commercial Company pursuant to arrangements entered into by that company, the War Department and the Office of Military Government for Germany (US) for the handling of German exports. The terms and conditions of sale and form of offer may be obtained from U. S. Commercial Company, Washington 25, D. C. Offers must be received by the U. S. Commercial Company prior to November 29, 1946.

Acetic Acid Use Jan., '44-June, '45

Consumption figures of acetic acid from January 1, 1944, to June 30, 1945, based on chemical allocation records of the War Production Board, have been released by the Civilian Production Administration. Consumption was:—

	Pounds
Direct military[1]	28,971,000
Foreign	536,000
Other uses	517,471,000
Plastics and resins	175,240,000
Acetic anhydride	146,896,000
Organic acetate (esters)[2]	116,439,000
Textile processing	24,312,000
Metallic acetates (salts)	7,416,000
Drugs and pharmaceuticals	7,485,000
Paints and pigments	3,497,000
Rubber chemicals	1,994,000
Photography	1,417,000
Miscellaneous uses and small orders[3]	32,275,000
Total consumption	546,978,000

[1] End-use data not available.
[2] Predominantly solvents.
[3] Includes nylon salts, chloracetic acid, insecticides, dyestuffs and noval ketone.

Hanlon & Goodman Elects W.A. Robertson to Board

William A. Robertson, associated for fifty-six years with the Hanlon & Goodman Company, manufacturer of paint brushes, has been elected to the board of directors to succeed the late George E. Goodman, who died September 19. The company also announced that John O'Connor had been added to the staff to represent the firm in the Brooklyn, N. Y., territory.

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Mineral Survey Reports Issued by Mines Bureau

OPD Washington Bureau

Four Bureau of Mines publications describing results of investigations of mineral deposits or mines in different sections of the United States have been released for general distribution by Dr. R. R. Sayers, bureau director.

Made under authority of the strategic materials act of 1939 and subsequent legislation, these and other similar investigations represent one phase of the Bureau's wartime mineral development program. In addition to increasing national reserves of war-vital fuels and minerals, the studies carried on by bureau engineers and metallurgists provided new and essential information on domestic minerals resources.

Publication of the reports was not feasible during the war, and they are now being released to the public and the mineral industries as rapidly as possible, Dr. Sayers stated. The four reports issued deal with molybdenum, rutile, copper, lead-zinc, silver and gold ores, and are as follows:—

Report of Investigations 3932, "Preliminary Exploration of Bi-Metallic Molybdenum Deposit, Okanogan County, Washington." Prepared by R. H. Storch, mining engineer, Albany, Ore., division, the publication describes the trenching operations conducted on this bi-metallic molybdenum deposit during June, 1945. Anlyses of ore samples taken from the prospect are also contained in the report.

Report of Investigations 3900, "Exploration of the Magnet Cove Rutile Company Property, Magnet Cove Area, Hot Spring County, Ark.," by Robert V. Spencer, mining engineer stationed at Little Rock, Ark. The report described the Bureau's examination and preliminary exploration of this property by geologic mapping, geophysical surveying, as well as churn and core drilling. It also includes the logs of the drilling operations conducted on this rutile-bearing property.

Report of Investigations 3939, "Exploration of the Moffet-Johnston Copper Property, Madison County, Montana," by Robert N. Roby, mining engineer, Montana field office. The publication tells of the exploration work carried on at this copper deposit during May and June, 1943.

Report of Investigations 3904, "Exploration of Grey Eagle, Grandview, and Royal John Claims, Grant and Sierra Counties, N. Mex.," by Robert S. Hill, Bureau mining engineer. This is an account of a diamond-drilling project conducted by the Bureau between October, 1943, and June, 1945, to determine the value of the lead-zinc, gold and silver deposits on this New Mexico property.

Work on these projects was conducted by the Mining Branch of the Bureau with the material assistance of the Federal Geological Survey and State agencies.

A copy of any of the above publications may be obtained free from the Bureau of Mines, Department of the Interior, Washington 25, D. C. The publication or publications desired should be identified by number and name.

Plastics Output Cut By Strikes, Carman Says

If another round of strikes develops in the coal and steel industries, shortages of basic raw chemicals needed for production of plastic materials vital to many consumer products will be sharply aggravated, Frank H. Carman, general manager of the Plastic Materials Manufacturers Association, told the midwest chapter of the Society of the Plastics Industry at a recent meeting in French Lick, Ind.

The industry, which uses many coal and coke by-products, will not overcome the existing shortages resulting from earlier strikes in these industries for from six months to a year, he said.

Resins affected by these shortages showed regular gains in production earlier in the year, Mr. Carman said, but production is falling off steadily at present, reflecting chemical shortages as well as the more recent strikes in the chemical industry itself.

Plastics Exposition To Be Held in Chicago

The Society of the Plastics Industry, Inc., will sponsor its second national plastics exposition in Chicago's Coliseum May 5-11, 1947. Applications for booth space must be at the society's office 295 Madison avenue, New York, by noon, November 1, to be eligible for the preference drawing.

Wilde Joins Griffin Co.

Griffin Chemical Company, San Francisco, has appointed T. E. Wilde to the company's technical service and process development staff.

Mr. Wilde, a graduate in chemistry from Stamford University for past fifteen years, he has acted in various capacities for technical departments of the Union Oil Company, more recently as assistant to the manager of the chemical products division in Los Angeles. He also served in the manufacturing department at Union Oil and at one time was head of the company's control laboratory at Oleum, Calif.

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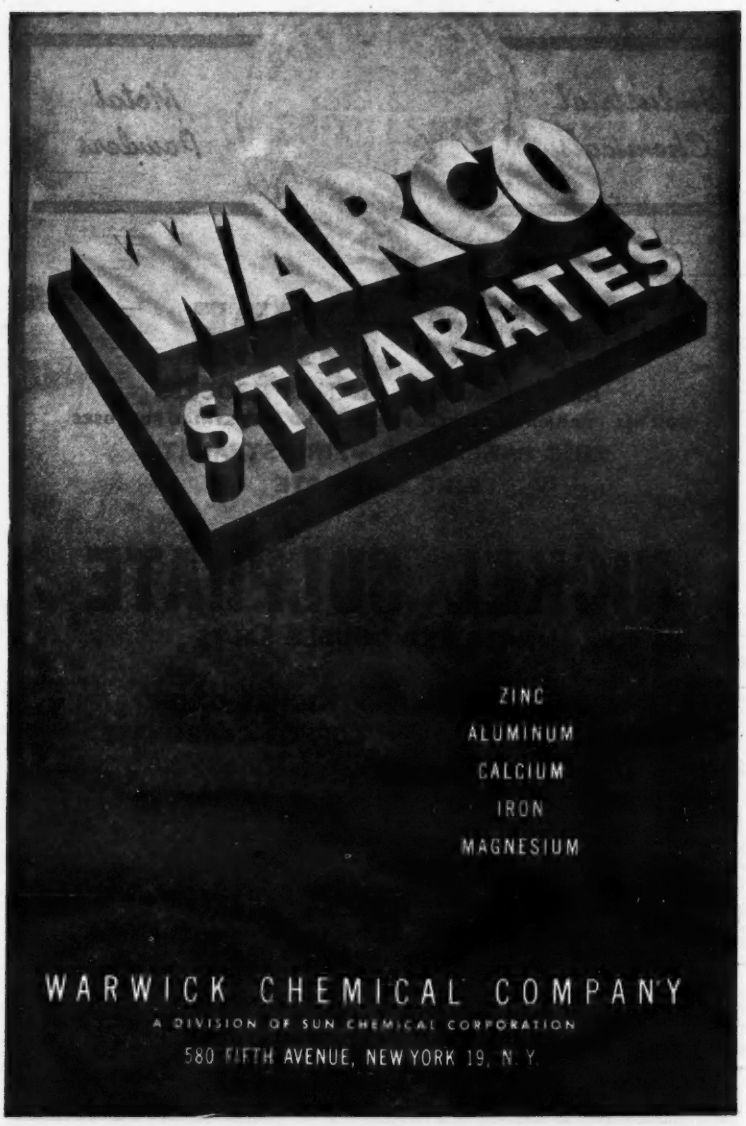

Obituaries

Martin F. Austin

Martin F. Austin, manager of the vegetable oils department of W. R. Grace & Co., New York, died November 12, at his home in Hackensack, N. J. He was sixty-five years old.

Mr. Austin, who was affiliated with the vegetable oils industry for thirty years, became associated with the Grace company more than twenty years ago. Before that he was connected with J. C. Francesconi & Co., and Shearson, Hammill & Co., in New York.

Mr. Austin was a member of the board of managers of the New York Produce Exchange, and a member of the Oil Trades Association and the Linseed Association of New York.

A.C.Carpenter

A. C. Carpenter, first vice-president of the Bemis Bro. Bag Company, St. Louis, from 1942 until he retired earlier this year, died November 5. He was seventy-seven years old.

Mr. Carpenter had been with Bemis for fifty years. He was named manager of the company's St. Louis plant and elected a director in 1920, and was elected a vice-president three years later. Since his retirement Mr. Carpenter had remained as a senior counselor and director of the company.

Albert B. Lambert

Albert B. Lambert, former head of Lambert Pharmacal Company, St. Louis, died November 12 at his home in St. Louis. He was seventy years of age. Mr. Lambert became president of the Lambert company in 1896, and, while living in Europe for several years, established two company factories, one in Paris and the other in Hamburg.

Earl C. McNutt

Earl C. McNutt, president of the Chemical Sales Corporation and secretary of the Plant Equipment Corporation, both Buffalo, died in that city November 7, five days after suffering a heart attack. He was fifty-four years old.

Christopher C. Moore

Christopher C. Moore, retired sales manager and member of the board of directors of Benjamin Moore & Co., paint manufacturer, New York, died at his home in Montclair, N. J., November 11, after a long illness. He was eighty years old. Mr. Moore retired in 1926 from the firm, with which he had been associated for thirty-nine years.

Gustavus Ober, jr.

Gustavus Ober, jr., president of the former fertilizer manufacturing firm of G. Ober & Sons Company, Baltimore, and former president of the National Fertilizer Association, died in Baltimore November 10. He was sixty-five years old.

Mr. Ober succeeded his father, Robert Ober, as president of the company which was founded by his grandfather in 1857. During his tenure as president of the fertilizer association, Mr. Ober led the opposition to government supervised operation of the Muscle Shoals properties in Alabama, because he held it a threat to privately owned fertilizer interests.

Dr. Frank M. Schertz

Dr. Frank M. Schertz, who had gone to Germany this fall to screen German scientific literature for the Department of Commerce, was found dead of razor wounds in his billet November 5. He was fifty-seven years old.

Dr. Schertz was employed for seventeen years by the Department of Agriculture as a biochemist and later went into commercial chemistry. During the war he served in the bacteriological warfare department of the Chemical Warfare Service.

R.G.Woodbridge Jr.

Richard G. Woodbridge, jr., former director of the old Brandywine laboratory of E. I. du Pont de Nemours & Co., Wilmington, Del., died at his home in Wilmington November 7. He was sixty years old.

Mr. Woodbridge joined the company as a research chemist in 1908, a year after graduating from the Massachusetts Institute of Technology.

John J. Kane, general patent attorney for the Allis-Chalmers Manufacturing Company, and formerly with the United States Patent Office, died in Milwaukee, November 8. He was sixty-three years old.

Hanford M. Henderson, formerly president of H. M. Henderson & Co., rubber manufacturer, New York, which was dissolved twelve years ago, died in New York November 10. He was fifty-eight years old.

Dr. Leslie L. Lumsden, an officer of the U. S. Public Health Service for forty-one years and a pioneer in the work in public rural sanitation, died in New Orleans November 8. He was seventy-one years old.

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Oils, Fats and Waxes

While trading in oils and fats slackened last week, consuming inquiry continued keen, though buyers were bidding below quotations at which considerable business was transacted a week ago. However, selling pressure was lacking and the market remained on a firm basis. Recent heavy buying of cottonseed, peanut and soybean oils absorbed the major portion of the production for prompt and nearby delivery, with the result that the nearer deliveries commanded a premium over the forward positions. Thus far there has been a marked scarcity of new refined edible oils and a heavy demand was unsatisfied.

Tallow and grease continued in active request, with soapmakers in the market and reported bidding at prevailing prices for sizable quantities. Producers, however, were sold well ahead and preferred to dispose of small lots at premiums from ½c. to 1c. per pound above carlot business.

Linseed oil was strong and a moderate volume of business was transacted last week at present quotations. Suppliers were not offering freely, and awaited the establishment of the price for the disposal of 32,000 tons of Argentine recently purchased by government agencies, which is soon to be allocated to crushers on a percentage basis. Other drying oils—dehydrated castor, processed fish, oiticica and tall oils continued in good request, while consumers showed less interest in tung oil. Liberal offerings of domestic tung oil for nearby delivery at former ceilings attracted little attention.

Linseed Oil

Moderate volume of sales were reported at current quotations last week, for nearby and forward delivery. Offerings were not liberal as crushers preferred to await the establishment of the price for the 32,000 tons of Argentine oil recently purchased by government which will be allocated to crushers on a percentage basis. About 10,000 tons of this oil was reported here and the balance was due to arrive during the next two months. Consuming inquiry for oil was fairly active and the market was continued firm. Raw oil was quoted at 34½c. per pound, tankcars and 35.3c. per pound drums, carlots. Replacement oil also was well held at 32.5c. per pound tankcars and 33.3c., drums, carlots.

Flaxseed basic prices paid to producers by the Argentine government were reduced to $2.27 per bushel according to a decree announced November 2, compared with the previous price of $2.65 per bushel, established May 23, 1946 according to the Office of Foreign Agricultural Relations.

Minneapolis, Nov. 13.—Demand for oil continued brisk but crushers were sold up for the months ahead and were in no position to offer more than fill-in supplies. Contracts made immediately after the oil ceilings were eliminated, took care of the bulk of the year's business and little can be expected in the line of new sales until more seed is made available to the crushers. Shipping instructions were excellent on old and new contracts and mills were operating at top capacity of around 80 percent. Price was firm at 34.1c. in Zone 1 with no deviation for immediate, nearby or future shipment.

Shipments of linseed oil, in pounds, were as follows:—

	1946-47	1945-46
This week	6,360,000	6,360,000
Since Sept 1	64,940,000	78,220,000

Second official estimate placed the flaxseed crop in Canada at 7,651,000 bushels, compared with 8,742,000 bushels, the previous forecast.

Flaxseed—Seed markets continued firm, though trading was reported quiet, owing to scarcity of offerings. Buying interest was active.

Minneapolis, Nov. 13.—Seed situation was virtually unchanged for the week, buyers aggressive for the spot and to arrive offerings at $7.25 per bushel. The question of maintainence of seed supplies in the country was still a hot one and every effort is being made to sell producers on the idea that liberal farm stocks of seed will be necessary in 1947 if the government goal of an estimated 5,000,000 acres is to be reached. Supplies of seed rolling to market fell off sharply during the week, being affected by a snow storm in the flax belt, lack of boxcars and the fact that many stations have shipped their last pound of seed to market this season.

	Receipts		Shipments	
Bushels—	1946-47	1945-46	1946-47	1945-46
This week	499,300	399,000	600,100	313,500
Since Sept. 1	7,084,900	14,745,000	2,915,800	2,123,400

Flaxseed was quoted at $7.25 per bushel for spot delivery at Minneapolis and Duluth.

Buenos Aires, Nov. 15.—No flaxseed shipments were made last week. Visible supply of flaxseed was not reported.

London, Nov. 15.—Linseed oil, spot, quoted at 135s. per 112 pounds.

Cottonseed Oil

Trading in crude cottonseed oil slackened last week though the market was firm. Sales were reported at 25c. per pound tankcars, in the Valley and Southeast for nearby and forward shipment and the market was well maintained at this figure. Offerings for prompt shipment were scarce and quoted 26c. to 26½c. f.o.b. mills. Production for prompt and nearby was reported practically sold up and offerings were mainly for the future positions. Cottonseed was held at $100 per ton and sales were reported at this figure in the South, last week.

Volume of trading improved in yellow bleachable cottonseed oil futures

Market Trends

Prices Advanced

Beeswax, ref., yellow, 2c. per lb.
Carnauba wax, N. C., No. 2, 5c. per lb.
N. C., No. 3, 5c. per lb.
Mustard seed oil, exp., 15c. per lb.

Prices Reduced

Cottonseed meal, $5 per ton.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
283.0	283.0	210.0	193.3

(For Current Prices see Page 9)

Cottonseed Crush Smaller: October

Cottonseed received and crushed and production of cottonseed products from August 1 through October 31, 1946, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons	
	1946-47	1945-46
Receipts	[1]1,626,972	1,535,529
Crushed	831,053	920,853
On hand Oct. 31	913,725	883,024

Crude Oil

	Pounds	
	1946-47	1945-46
Produced	255,839,000	285,204,000
Shipped	212,005,000	246,171,000
On hand Oct. 31	[2]93,603,000	93,701,000

Refined Oil

	Pounds	
	1946-47	1945-46
Produced	[3]164,245,000	217,747,000
Shipped	.....	.....
On hand Oct. 31	[4]165,771,000	232,691,000

Cake and Meal

	Tons	
	1946-47	1945-46
Produced	365,537	406,457
Shipped	338,888	401,200
On hand Oct. 31	58,277	57,515

Hulls

	Tons	
	1946-47	1945-46
Produced	190,802	217,014
Shipped	161,370	209,426
On hand Oct. 31	55,357	69,285

Linters

	Bales	
	1946-47	1945-46
Produced	[5]261,617	275,759
Shipped	151,070	196,342
On hand Oct. 31	[6]145,001	97,993

[1] Includes 992 tons destroyed during 1945-46. Does not include 117,806 and 219,340 tons on hand August 1, 1946 and 1945, respectively, nor 25,564 and 14,567 tons reshipped during the seasons 1946-47 and 1945-46.

[2] Includes 10,389,000 pounds at oil mills, 10,687,000 pounds at refining and manufacturing establishments, and 2,262,000 pounds in transit.

[3] Produced from 177,670,000 pounds of crude oil.

[4] Includes 160,967,000 pounds at refining and manufacturing establishments and 4,784,000 pounds held elsewhere and in transit.

[5] Includes 73,542 bales first cut, 157,302 bales second cut, and 30,773 bales mill run.

[6] Includes 49,501 bales first cut, 82,924 bales second cut, and 12,576 bales mill run.

For Late Market Developments, See Page 4

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last week on the New York Produce Exchange, with transactions confined to March forward positions. Increased offerings were readily taken, with buyers outnumbering sellers. Oil consumption totaled 269,620 barrels during October, compared with 166,050 barrels in September and 206,155 barrels, October 1945. Visible supply of seed and oil was estimated at 1,285,400 barrels, against 796,500 barrels in September and 1,377,300 barrels, October 31, last year.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended Friday, November 15, were:—

	Cents per pound			
	High		Low	Close
November	..	..	..	..
December	..	..	..	26½@28½
January	..	..	..	25½ bid
March	20	25	25	25½ bid
May	58	26½	24¾	25½@25⅝
July	51	25½	24	24¼@25
September	..	..	..	22 ask
October	..	..	..	18¾@20

Total sales, 129 contracts.

Crude oil, 26½c. bid for nearby shipments in all sections of the cotton belt.

Memphis, Nov. 14.—Crude cottonseed oil sold at 25c. per pound, loose, nearby delivery, in the Valley. Mills sold well ahead on all cottonseed products. Demand for cottonseed meal was sluggish for later deliveries, with demand expected to improve with colder weather. Additional sales of cottonseed reported at $100 per ton. Balance of cotton crop being gathered rapidly.

Other Vegetable Oils

Castor, Dehydrated—Inquiry continued excellent for prompt requirements at recent advanced prices. Production was reported limited and demand exceeded the supply.

Coconut — Consuming inquiry was quiet last week and offerings attracted little attention. Prices, however, were unchanged and steady. Crude oil was quoted nominally at 22½c. per pound, tankcars, f.o.b. Pacific coast mills, nearby shipment and 19c. for January-March. Refined oil was scarce.

Corn — Trading was reported light last week, though prices were well held at former levels. Crude was normal at 26c. per pound, tankcars, f.o.b. mills, and refined at 28c. for nearby and forward shipment.

Oiticica — Inquiry was active, but trading was quiet owing to the scarcity of supplies. Prices were entirely nominal for all positions and ranged from 30c. to 31c. per pound, drums, according to seller and quantity. Arrivals totaled 2,345 drums at New York and were consigned against former orders.

Olive — Trading was confined to moderate quantities of resale oil on the spot. Prices ranged from $8.50 to $9 per gallon, in drums, according to seller and quantity. Arrivals totaled 2,156 drums of edible oil at New York from Spain last week against the recent shipment of soybean oil in exchange for olive oil.

Palm — Some 2,330 tons were received at New York last week for allocations to users by CCC.

Peanut—Market remains firm with crushers quoting crude at 27c. per pound, tankcars, f.o.b. mills and refiners bidding 26c. Mills were reported sold up, against recent purchases of peanuts. Peanut crop was placed at 2,061,050,000 pounds, as of November 1, by the Department of Agriculture, against 2,061,570,000 pounds produced in 1945 and the ten year average of 1,587,964,000 pounds.

Rapeseed — Imports of 875 tons of oil from the Argentine were noted at New York last week and were allocated by CCC.

Soybean—There was a good inquiry for crude oil last week. Prices were well maintained at 24c. to 24½c. per pound tankcars, f.o.b. mills, prompt shipment. January forward shipment, was quoted at 22c. per pound, same basis. Demand for refined grades was active but offerings were scarce. Alkali refined was quoted at 27.27c. and clarified at 25.57c. per pound, tankcars, for February forward shipment. Soybean crop was indicated at 191,912,000 bushels as of November 1, by the Department of Agriculture, and compared with the production of 191,722,000 bushels in 1945 and ten year-average of 103,457,000 bushels.

Tall—This market was firm, under a steady request. Producers restricted offerings to refined oil and at recent advanced prices. Demand exceeded the supply. Sales for deferred delivery were transacted at the prevailing price at the time of shipment.

Tung — Trading was limited and spasmodic last week. Buying interest was reported less active. Supplies on the spot and for prompt delivery were scarce. Nearby and forward deliveries were held at former prices. Domestic oil was offered more freely at 38⅜c. in tankcars, but attracted little buying interest.

Los Angeles, Nov. 13.—Inquiry for all vegetable oils was active last week, but light supplies limited trading. Quotations for tankcars follow:—chinawood, 38⅜c. per pound; coconut, crude, 18c., to 20c. per pound; cottonseed, bleachable, 26c. per pound, f.o.b. Texas; mustard seed, 20c. per pound; peanut, crude, 26c. per pound, f.o.b. Texas; sesame seed, crude, 30c. per pound; soybean, 23c. per pound; castor, prime cold-pressed, 36c. per pound, drums included.

Fats and Greases

Grease—Trading was limited and confined to small lots at premiums above carlots prices. Yellow was nominal at 19⅜c. per pound and other grades in proportion. Orders for sizable quantities were turned down by renderers. White was nominal at 19⅞c. per pound; yellow, 19⅜c., and house at 19¼c.

Lard—Offerings were reported freer in the local market and quoted at 38c. to 39c. per pound. Futures were firmer late in the week, while cash lard was unsteady. Sales of several carlots of cash lard were reported at 39c. to 40c. per pound in tierces, Chicago.

Tallow—Small lot trading was reported in extra tallow at premiums, last week with renderers disregarding bids of 19¾c. from leading buyers. Market was firm. Extra was nominal at 19¾c. and special at 19½c. per pound, loose.

Animal Oils

Degras—Demand was fairly active and mainly for immediate require-

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Woodoil Dept. Circle 5-7646

ments. Prices were unchanged and well held.

Grease Oil—Local sellers were out of the market and in the absence of offerings the market was quiet, but firm. No. 1 was quoted at 27.35c. and prime burning oil 27.55c. per pound, Chicago.

Neatsfoot Oil—Production was reported light with local makers withholding new quotations. Inquiry was reported as fair. Neatsfoot stock was quoted at 31.85c. per pound, Chicago.

Oleo—This market continued strong. Supplies were limited and well held. Extra was quoted at 39c. per pound, loose, New York.

Fish Oils

Menhaden — Inquiry for refined grades was fairly active and sales were reported of light-pressed oil at 28c. per pound, tankcars. Reports from the South stated that contracts were booked for crude oil at 18c. and 19c. per pound, f.o.b. North Carolina, if and when made.

Baltimore, Nov. 12.—According to reports, menhaden fishing interests that operate off the coast of North Carolina, indicated production to date fairly satisfactory. Producers were reported to have accepted contracts to make deliveries of oil on the basis of 18c. a pound. Other sources make the contract price 19c., with some small sales having been concluded somewhat higher. However, the 19c. basis appears to be the one at which the larger part of the business will be done. In the East some business for small quantities, one or two tanks, has been closed at a higher level than the North Carolina quotation.

Sardine—Occasional sales of crude oil were reported at 23½c. per pound, f.o.b. Pacific Coast. Production of oil was small and far below the total at this time last year. Demand for refined oil was moderate, with offerings still light.

Los Angeles, Nov. 13.—Demand for fish oil continued urgent with offerings light. Sardine catch to November 8 was 120,736 tons, compared with 279,801 tons for the same period last year.

Fatty Acids

Red Oil—This market remains firm at the recent advance under a good demand and reflected the strength in tallow and grease. Producers were allocating supplies for regular customers requirements. Prices were well held at current levels.

Stearic Acid—Steady demand absorbed the production at the higher quotations named a week ago. Producers were not offering freely as output is sold well ahead. Market was firm.

Cake and Meal

Cottonseed Meal—Noticeable slackening in demand was noted and the market was easier, declining $5 per ton in the Southeast. Sales of 41 percent were reported at $90 per ton for December and at $89 per ton, January, f.o.b. mills, in Alabama and Georgia. Recend demand was mainly from the fertilizer trade.

Linseed Meal—Brisk demand continued to absorb offerings at $95 per ton, mills, Middle West.

Minneapolis, Nov. 13—There was talk of some weakness in the linseed meal market because of an easy tone in the millfeed, soymeal and feed grain markets —however, crushers had no difficulty in disposing of linseed meal up until January at $95 per ton, bulk, at Minneapolis. Some re-sellers were quoting meal at a $12.00 discount for January-September shipment, but no business was reported and mills showed no interest in meeting this offer.

Shipments of linseed meal, in pounds, were as follows:—

	1946-47	1945-46
This week.....	11,220,000	10,980,000
Since Sept. 1.....	86,480,000	122,680,000

Peanut—Demand was inactive and the market was easier. Offerings were liberal. Meal 45 percent was offered at $85 and 41 percent at $82 per ton, f.o.b. mills for November-December shipment in the Southeast.

Waxes

Beeswax—Reduced supplies on the spot and a higher and active African market, created a firmer tone in the spot situation. Prices for spot stocks were strong for all grades. Refined yellow was advanced 2c. per pound, and was in limited supply.

Candelilla—This market was quiet with prices unchanged and fairly steady.

Carnauba—Increased consuming demand for shipment from Brazil strengthened the local market and the trend of prices here tended higher as a result. No. 2 and No. 3 North country prices were advanced 5c. per pound. Other grades were unchanged but firmer. Offerings for shipment from Brazil were reported scarcer.

Montan — Routine demand was reported on the spot. Prices were unchanged and fairly steady.

Ouricury — Business was reported light and confined to actual needs. Quotations were unchanged for spot delivery .

Olive Oil Immediate Shipment from Italy Set

Immediate shipment of olive oil from Italy, in exchange for soya bean oil shipped from the United States, has been approved by the High Commissariat for Foods, the commercial office of the Italian Embassy recently advised. Submission of proof of shipment by American exporters engaged in this exchange may be made to the offices of American Chamber of Commerce for Trade with Italy, Inc., 105 Hudson street, New York 13, N. Y., and arrangements will be made with Italian authorities who will immediately authorize shipment of olive oil by Italian exporters.

General Foods Names Bireley's Division Head

Darrell Ingalls, formerly assistant general manager of Bireley's division of General Foods Corporation, recently was named general manager of the division, succeeding Frank W. Bireley, founder of the unit, who has resigned.

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MICRO-CRYSTALLINE PETROLEUM WAXES
CERESINE - - OZOKERITE
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Spermaceti Red Oil Glycerine
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Armour's Lub-Base is a *stabilized* blended fatty acid, produced especially for the compounders of lubricating greases. Its production and composition is scientifically controlled to assure the greatly improved greases needed to meet the exacting requirements of modern industry.

Lub-Base gives you the advantages of ease, speed and completeness of saponification, higher yield of anhydrous soap and greater uniformity of finished greases. In addition, Lub-Base produces greases which by actual test are more stable to oxidation and discoloration than greases made from the commonly used fatty acids.

Upon request, we'll gladly mail you data on Neo-Fat Lub-Base and the other Neo-Fat fatty acids particularly suited to grease compounding.

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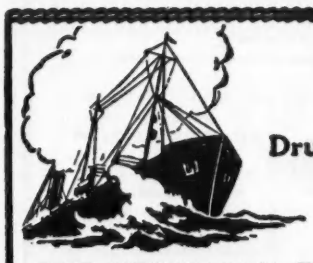

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Drum and Tank Car Quantities
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CLEAR OUT THE SURPLUS EQUIPMENT WHICH HAMPERS YOUR PRODUCTION

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THE FOLLOWING OFFERINGS WILL INDICATE THE TYPE OF EQUIPMENT IN WHICH WE DEAL

AUTOCLAVES
- 1 Vertical, 42"x24'4", Forged Welded Steel, 600 lbs. pressure.
- 1 Vertical, 4'x7', 900 lbs. pressure.
- 1 Vulcanizer, 4'x18', with bolted, hinged cover.
- 4 Sterilizers or Retorts, 6'x14', 15 lbs. pressure.

COLLOID MILLS
Premier, Manton-Gaulin, Eppenbach, Charlotte, U. S., others.

COMMINUTING MACHINES
Fitzpatrick Model "D," non-corrosive contact parts.

CONDENSERS
- 1 Devine Tubular Vacuum Cast Iron Surface Condenser, 8"x57", with receiver 18x28.
- 4 Schutte Koerting Multi-Jet Barometric Condensers, varying capacities.
- 1 Stokes Tubular Vacuum Cast Iron Surface Condenser, 12"x5', with 60 gal. receiver.
- 5 Aluminum Condensers, tubular type, 24"x60".
- 2 Bethlehem Tubular Condensers, 8,463 sq. ft., 6'x15', having 4,500 tubes ⅝" O.D.

DRYERS
- 5 Buffalo and Devine Vacuum Shelf Dryers, 42"x42" to 60"x160".
- 2 Proctor Schwartz Single Pass Apron Dryers, 66"x21' long and 8'x77'.
- 3 Stokes Tray Dryers, Steam Operated, 34"x37"x72", 16 trays.
- 1 Huhn Rotary Steam Dryer, 3'x13', continuous operation.
- 1 Christie Dryer, 70"x40" long.
- 7 Rotary Dryers, from 3'x30' to 6'x64'.
- 5 Double Drum Dryers, 27x63, 30"x 5', 4'x9".
- 1 Ruggles Cole Rotary Dryer, 8'x 80', with oil burner and stack.

FILTER PRESSES
Shriver and Sperry, 7" to 42".

FILLING EQUIPMENT
For Dry Materials, Juices, Liquids and Viscous Materials.

HEAVY DUTY MIXERS
2 W & P 100 gal. Jacketed Double Sigma Arm, Double Geared, 2-9 gal.

ALLEN S STRAINER OR EXTRUDER

TABLET MACHINES
Colton 3DT, Stokes Rotary D4, Stokes R, Colton 5½ and Colton Rotary 10-25 models.

BEACH RUSS VACUUM PUMP
750 CFM with 40 HP Explosion-proof Motor.

SPECIAL
1 Monel Bubble Cup Column, 4'x9'.

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The Equipment You Need

SELLING

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WE BUY FROM SINGLE ITEMS TO COMPLETE PLANTS

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SPECIAL ITEMS FROM STOCK

ALUMINUM
VACUUM STILLS, KETTLES, TANKS

2—Closed Jack. agitated Kettles with coils: 1—1,200 gal., 1—900 gal.

1—1,200 gal. closed jack. Kettle or Vacuum Still

2—Closed jack. agitated kettles or Vacuum Stills.

1—850 gal. closed jack. agit Kettle.

18—350 GAL. NEW CLOSED HORIZONTAL STORAGE TANKS, OVAL SHAPED, APPROX. 46" AND 28" BY 61" LONG, 18" ROUND MANHOLE IN TOP, ¼" PLATE.

CRYSTALLIZERS VACUUM PAN DRYERS

3—Buflovak 6' dia. Jacketed Vacuum Pan Dryers or Crystallizers—also two of atmospheric type, same size, also jacketed and agitated—300 gallons capacity—cast iron—jackets cast integral with shells.

5—Swenson-Walker Continuous Steel Jacketed Crystallizers, Mixers or Dryers, each made up of four 24"x26"x10' long sections with heavy spiral ribbon agitators. Each unit with worm gear speed reducer.

DRYERS

1—Devine VACUUM SHELF DRYER, 14 shelves, 40x43; also 10-SHELF DRYER, Complete.

2—A. N. 4' dia. x 9' long atmospheric double drum dryers complete.

2—B. & C. 28" dia. x 60" face Atmospheric DOUBLE DRUM DRYERS complete.

2—Direct heat ROTARY DRYERS; 5'x30', 6'x35'.

6—ROTARY VACUUM DRYERS; 1—Devine, 5'x30'; 3—Devine, 4'x25'; 1—Devine, 4'x30'; 1—Struthers Wells, 50"x12'.

1—6'x35' Louisville Direct Heat single shell Rotary Dryer.

3—8'x50' Direct Heat Rotary Dryers.

1—4'x20' Ruggles-Coles Indirect Heat Rotary Dryer.

2—4'x20' ROTARY KILNS, Ruggles-Coles, geared-head, motor drive.

GEAR REDUCERS and MIXERS

41—Phila. type HVT, Class 1, size 1100, GEAR REDUCERS, ratio 88 to 1, horsepower 16.7 at 1750 RPM.

29—Phila. MOTO-REDUCERS, with 2 HP 2 speed, totally enclosed, fan cooled and explosion-proof motors. Vertical; Output speed 87 and 29 RPM at HP 2/.67.

1—Stokes No. 2 gear type TUBE FILLER.

1—Colton No. 2 worm type TUBE FILLER.

1—Stokes TUBE CLOSER & CLIPPER.

1—Colton No. 3 TUBE CLOSER and CLIP FASTENER.

2—Stokes Hand Tube Fillers.

4—Hand Closers and Crimpers.

26—150 gallon STAINLESS STEEL TANKS.

2—20"x48" water cooled 3-ROLLER MILL.

1—16"x40" Lehman 3-ROLLER MILL, water cooled, motor driven, upright type.

TABLET MACHINES

2—Stokes RD-4 Rotary 16 punch, maximum 1" dia.

2—Colton Model 5-½T, single punch, maximum 3" dia.

2—Kux Pelleting Presses, Model 5.

4—Stokes "R" single punch, maximum 2-½" dia.

4—Stokes "F" single punch, maximum ¾" dia.

1—Stokes "O" single punch, maximum ¾" dia.

1—Stokes "N" single punch, maximum ½" dia.

VACUUM PANS
(All Copper)

1—18"x48" exp., with Agitator.

1—40 gal. Burkhard, Coils and jacket.

1—150 gal. 36"x24", jacketed, agitated, with Condenser, catch-all, Vacuum Pump.

1—125 gal. 30"x30", jacketed with condenser.

1—250 gal. 40"x37", jacketed with condenser.

PULVERIZERS

1—Unused No. 5418 Raymond 4-roll High Side Mill, equipped with double whizzer separator speed changer, Raymond exhauster, cyclone collector No. 40 Dracco collector for surplus air, all interconnecting piping.

1—4-roll Raymond High Side Mill with double cone vacuum air classifier, etc.

4—8' dia. x 30" Hardinge Conical Ball Mills, two unlined and two with bolted iron linings, all with cast steel machine-cut herringbone gear drives for direct motor connection.

6—350 gal. Sowers-Dopp Jack. Agitated Kettles.

12—150 gal. Sowers-Dopp steam jack. Kettles.

1—250 gal. Copper jack. agit. closed Kettle or Vac. Still.

1—World straight line auto LABELER, M.D.

2—Weeks McDonald straight line fully automatic LABELERS, motor driven.

10—Copper & Aluminum KETTLES to 500 gal. cap.

5—World and Ermold semi-automatic LABELING Machines, MD

1—Dopp 500 gallon cast iron jacketed KETTLE.

1—J. H. Day auger FILLER.

2—Colton No. 3 TOGGLE Globule PRESSES, for making capsules.

11—250 gal. closed GLASS LINED TANKS.

1—Pneumatic Scale six head Capping Machine.

Approximately 500 feet of STEEL BALL BEARING ROLLER CONVEYOR, from 17 to 32" widths.

4—NEW, UNUSED BAKER PERKINS 150 gal. capacity, 100 gal. working capacity MIXERS, equipped with double sigma blades, steam jacketed, SIZE 15, STYLE VI, TYPE BS, equipped with Hydraulic tilting device, roller bearings throughout.

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2—Devine Vacuum Shelf Dryers, with 10 42"x42" shelves.
1—Buffalo Vacuum Shelf Dryer, with 14 60"x80" shelves.
1—Lab. Devine Vacuum Shelf Dryer, with condenser.
3—Rotary Vacuum Dryers, 1½'x 3½', 30"x8', 4'x10'.
1—6'x27'6" Rotary Steam Tube Dryer.
3—Buflovak Vacuum Drum Dryers, 24"x20", 48"x40", 5'x6'.
8—Rotary Dryers, 6'x18', 4½'x35', 6'x35', 5½'x40', 7½'x65', 10'x90'
1—7½'x130' Rotary Kiln.

JUST PURCHASED!

1—Patterson 6'x8' Pebble Mill.
1—Patterson 5'x4' Pebble Mill.
1—Patterson 6'x5' Ball Mill.
1—American 16"x40" 3 Roll Mill.
2—Lehmann 8 Roll Roller Mills, 20"x48".
9—Gyro Sifters, 20"x48".
10—1000 and 2000-lb. Powder Mixers, NEW.
6—Readco and Baker Perkins 100 gal. Jacketed, Heavy Duty, Double-Arm Mixers.
4—Shriver Filter Presses, 18", 24", 30", Plate Framed & Recessed.
7—Duriron & Lead Centrifugal Pumps, 1" to 3".

2—100 gal. Pebble Mills, rubber lined.
1—Abbe 10 Jar Mill, motor driven.
1—Schutz O'Neill 16" Ball Bearing Style "D" Limited Mill.
1—Hardinge Ball Mill, 2'x8".
1—Williams No. 1 Hammer Mill.
1—Day 18" Ointment Mill.
2—Mikro Pulverizers, 18H, 5 H.P.
2—Abbe Bintergess Sifters.

8—Tyler Ro-Tap Sieve Shakers.
1—No. 150 Kelly Pressure Filter.
2—Vallez Filters, Lab. & No. 42.
2—American 4' 4 Disc and 6' 2 Disc Rotary Continuous Filters.
6—Oliver 8'x6' Rotary Hopper Dewaterers, New.
3—Oliver Filters, 3'x2', 3'4"x6'.
6—Shriver, Sperry Filter Presses, 12", 18", 24", 30", 32", 36".
3—Shriver Wood Filter Press Skeletons, 18" to 42".

4—Sharples No. 6 Centrifuges.
2—De Laval No. 600, 700 Clarifiers.
1—American Tool 40" Centrifugal, direct Motor driven, perforated basket.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.

11—Stainless Steel Jacketed Kettles, 60, 80, 100, 150, 300 gal. New.
10—Brand New Stainless Steel Tanks, 100, 200, 300, 500 gal.
6—Pfaudler Jktd. Agtd. Kettles, 100, 125, 200 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
8—Steel Jktd. Kettles, 375 to 1,200 gal., some agitated.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
1—Zaremba Copper Evaporator, 500 sq. ft. vert. tubes.
5—Copper and Steel Vacuum Pans, 2', 4', 6', 7'.
5—Evaporators, single to quadruple effect, 500 to 10,000 sq. ft.

TABLET MACHINES

15—Stokes "R," 2¼".
1—Stokes Rotary DD82, 1 3/16".
16—Stokes Rotary D4, 31/32".
3—Colton Rotary, ¾".
1—Mulford Single Punch, 1¼".
10—Stokes "F," ¾".
5—Colton Single Punch, ⅝".
All the above practically new, ready for prompt shipment.

1—W. & P. 20 gal. stainless steel, double-arm Mixer.
1—Day 600 lb. Powder Mixer.
1—Day No. 10 Imperial Double Arm Jacketed Mixer.
5—Day, W. & P. Readco Double Arm Mixers, ½ to 100 gal.
1—Readco 4 gal. Stainless Steel, Double-Arm Mixer.

3—S. & S. auger type powder fillers.
2—Burt Automatic Can Labelers.
1—Filler Machine 4 Spout Filler.
1—Karl Kiefer Visco Piston Type Filler, motor driven.
5—World, National Labelers.
10—12" Belt Conveyors, 20 to 50' centers, built to specifications.
3—Cappers, Elgin Kinex.
7—Bucket Elevators, from 12' to 50' high, steel housing.

1—Anderson No. 3 Moisture Expeller.
1—Schaeffer Poidometer, 20"x4'.

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1—KIEFER Rotary Gear Visco Filler.
1—COLTON No. 4½ Single Punch Tablet Machine to 1½" dia.
3—STOKES Rotary D4 Tablet Machines to 1" dia.
1—SPERRY C.I. Filter Press, 24" Center Feed, O.D.
4—Wood Plate & Frame Filter Presses, 24" & 36".
6—Copper Coating Pans, 24" to 38".
1—DE LEVAL No. 600 Centrifuge.
1—DAY 3-roll Mill, 16"x40".
3—Laundry Style Extractors, 24" to 36".
3—PFAUDLER G.L. Jack. Kettles & Pans, 75 to 250 gals.; DAY Jack. Spiral Mixer, 80 gals.

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11—Sharples No. 5A Stainless Oil Purifiers, latest type, 2 H.P., Motor Driven.
2—Stokes RD4 Rotary Tablet Machines, 16 die openings dia. 1 3/16".

2—Batteries (6 & 9) Tolhurst 40" Suspended Type Centrifugals, Motor Driven, Bottom Discharge.
1—Chrystie 80'x45' Rot. Dryer.
3—Oliver Rotary Vac. Filters, 8'x 10' and 5'x6'.
1—Raymond 3 Roller High Side Mill, complete, 65 H.P. motor.
2—Dorr 15' Bowl Classifiers.
1—Hardinge 3'x8" Conical Ball Mill.
1—Gayco 3' Centrif Air Separator.
1—Sturtevant 36" Rock Emery Mill.
1—W. & P. 9 gal. Double Arm Mixer, 2 H.P. motor.
1—Sharples No. 6 Centrifuge, 2 H.P.
4—Pfaudler Glass Lined Jack. Agitated Kettles, 350 & 400 gals.
10—Stainless Steel Jack. Kettles, new & used, 40, 60, 80 & 375 gals., some agitated.
4—Aluminum Jack. Kettles, 60, 80 & 100 gals.
1—Hammer Mill, 7½ H.P.
Jeffrey 15"x8" Swing Hammer Mill.
1—Jeffrey No. 4 Single Deck Conveyor Screen.
25—New stainless Steel Tanks, 100 to 1,000 gals.
2—6 spt. gravity Bottle Fillers.
New Water Stills, Gas and Elec.
New 40 gal. Pony Mixers.
300-ft. Ball Bearing Roller Conveyor, 12" wide.
12—Filter Presses, Iron, Wood and Rubber, 18" to 42" sq.
4—Centrifugals, 20", 26" & 40".
5—0000 and No. 0 Raymond Mills.
1—Bonnot 27" dia. Iron Filter Press.
10—Closed Steel Vac. Kettles & Stills, up to 1,000 gals.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
18—Copper Jacketed Kettles, 2, 20, 50, 75, 100, 250 & 350 gals., some agitated.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel mixing Tanks.
1—Blystone 2,000 lb. horiz. Spiral & Paddles Steel Mixer.
6—Horizontal Mixers, 20 to 250 gals., Single & Double Arm.
1—Faust 150 gal. Spiral Mixer.
2—Devine Horiz. Vac. Pumps, 8"x6"x4"x6".
2—Worthington 12"x12"x12" Vac. Pumps.
1—National Acme Model C20 stainless Steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 801.
2—Rotary Screens, 18"x72".
6—Attrition Mills & Disc Grinders up to 22".
1—Double Stand Steel 4-Roller Mill, 7"x20".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 72 gals.
3—Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neal 20" Pulverizer.
2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

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Phenothiazine Use As Insecticide Reported

Phenothiazine, the chemical compound that controls internal parasites in more kinds of animals than any other drug known, has found a new field of economic usefulness as an insecticide for the control of the codling moth, according to the E. I. du Pont de Nemours & Co., Wilmington, Del.

Combined with lead arsenate, du Pont's special agricultural grade of phenothiazine, which differs somewhat in composition and physical makeup from the regular phenothiazine, has given outstanding control of this pest in numerous experiments and demonstrations, particularly in Pennsylvania, Virginia, West Virginia, Maryland, Delaware, and New Jersey, the company said. Tests are also being run in New York and other apple-growing states.

Smith Lime Flour Co. Moves

The Smith Lime Flour Company, Elizabeth, N. J., has moved its general offices from 288 North Broad street to 535 Livingston street in that city. The new telephone number is Elizabeth 2-4500.

IMMEDIATE DELIVERY

1—Filter press, rubber covered, 24x24".
3—Filter presses, 30x30" C.I. open delivery.
5—Westinghouse 3 hp vertical drives.
1—5 barrel W & P mixer, 30 hp.
1—1,350 gallon copper still.
1—15 gal. Porter ball mill.
3—Tolhurst centrifuges 16 to 40".
2—Abbe jar mills 2 and 4 jars.
1—Marcy pebble mill 3x4'.

10—NEW VACUUM FILLERS—8-10-12 spt.
5—NEW 1,000-LB. POWDER MIXERS.
5—NEW No. 20 hammermills.
20—NEW S.S. Tanks and Kettles 30 to 50 gallon.

2—50 gal. vac. stills—copper & glass lined.
2—Colloid mills, Premier & Eppenbach, MD.
1—250 gal. Devine still. copper.
2—Stokes vac. pumps, 225 CFM.
2—M&S fillers, 4 and 6 pockets.
10—Automatic and semi-automatic labelers—front & back.
5—U.S. & K.K. Bottle Rinsers.
1—25 gal. Koven autoclave high pressure.

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2,000 Lbs. Triethanolamine Oleate.
9,000 Lbs. Emcol.
Will send samples on request.

We Also Have BAKELITE CAPS

Quantity	Size	Description
2,430	15MM	CT Shallow, Red Phenol, Light Weight Well Type No. 8 Solvent Liner.
74,900	15MM	CT Tall, White, Light Weight, Urea, C & Sil Liner.
191,400	15MM	CT Tall, White, Heavy Weight, Urea, C & Sil Liner.
46,225	15MM	CT Tall, White, Light Weight, Urea, P & Vin. Liner.
28,599	28MM	CT Shallow, Black Bakelite, Heavy Weight, P & V Liner.
32,794	33MM	CT Shallow, Black Phenol, Light Weight, C & S Liner.
59,260	33MM	Shallow, Black Phenol, CV Lined—Heavy Weight Lusterseal.
1,000	33MM	Shallow, Black Phenol, Plain, Light Weight, P & Oil Lined.

METAL CAPS

2,784	33MM	Lug Type, Black Tin—P & H Lined.
65,490	45MM	CT Full Dome, No Knurl, Greycoated Blackplate, Pulp & Imp Lined.
2,600	45MM	CT Knurled Paragon—Blue Coated Tin, P & Oil Lined.
788	45MM	CT Double Shell Black Tin, P & Wax Lined.
17,988	45MM	Lug Type, Black Coated Tin, Pulp & Oil Lined.
1,965	45MM	CT Single Shell, Domed, No Knurl, Black Tin, P & V Lined.
5,719	33MM	CT Domed, No Knurl, Black Blackplate, P & V Lined.
10,196	33MM	CT White Blackplate, Knurled, P & Haz. Lined.

LARX COMPANY
607 Fifth Avenue South
Minneapolis 15, Minnesota

1—No. 0000 Raymond Pulverizer, with 10 h. p. motor—Mechanical air separator with 2 h. p. motor—Cyclone Collector — Tubular Dust Collector—Necessary ducts and supporting structural steel—Current 220 volt—3 phase—60 cycle.

1—Stokes & Smith single unit gross weight scale with auger and funnel.

1—CECO Adjustable Carton Glue Sealing Machine. In excellent condition.

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
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Phone: Mitchell 2-3536

UNION
Rebuilt Machinery
Established 1918

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W. & P., Day Cincinnatus and Imperial Type Mixers; Hottman Paragon, Read, Single and Double Arm from 2 gallons to 300 gallons.
Elgin 24 spout Rotary Vacuum Filling Machine.
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J. H. Day and Kent, Three Roll, 12" x 36", 16" x 40" Mills, motor driven with motor.
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Johnson and Oliver Sweetland Filter Presses.
Copper Stills and Vacuum Pans.
Huhn Rotary Continuous Dryers.
Schutz O'Neill Rotex, and Allis-Chalmers Lowhead Sifters.
Package Machinery Co., Johnson, Miller, all types of Wrapping, Packaging and Cartoning Equipment. (Please submit Samples of your Item with Your Inquiry.)

ALL OFFERINGS SUBJECT TO PRIOR SALE. WRITE OR WIRE COLLECT FOR DETAILS AND PRICES. SEND FOR LATEST CIRCULAR!

Union Standard Equipment Co.
312-322 Lafayette Street
New York 12, N. Y.

FOR SALE

Stainless Steel Tanks, new, 100 and 200 gal., dished bottoms with stands.
9—New Stainless Steel Jacketed Kettles, 30 and 40 gals. capacity; 2 100 gal.
1—Stedman 40" Cage Disintegrator.
Stainless Steel Vert. Tank, 7' dia. x 10', No. 430 Chrome.
New Elec. Immersion Heaters, stainless, 500 watt, 115 volt, $15.00 each.
Copper Tank with Agitator and Coil, 66" dia. x 7' high.
1—International Centrifuge, size 3, type FS, stainless steel with motor.
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1—18 spout Karl Kiefer Rotary Filler.
10—New Sharples Oil Purifiers.
6—DeLaval Imo Pumps, 2" suc., 2" disch. (new).
6—Stokes Rotary Tablet Machines, Model RD-4.
6—New Clevon Can Filling Machines.

SPECIAL
10—Steel Storage Tanks, 24' dia. x 20' high, with closed tops

H. LOEB & SON
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RATES PER INSERTION—PAYABLE IN ADVANCE

Positions Vacant and Positions Wanted—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six word or fraction.

AGENCIES WANTED

Good territory open for agents on liberal commission basis by an old established firm of importers of industrial minerals and earth colors. For full particulars write to Charles B. Chrystal Company, Inc., 53 Park place, New York 7.

Established Cincinnati firm would be interested in representing producers of raw materials used in the paint, ink, rubber, soap and various other industries in southern Ohio territory. OPD 218.

FOR SALE

1—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—210 gallon Buhr Stone lined Pebble Mill
2—Practically new 750 gallon Porcelain lined Pebble Mills
3—32 in. x 36 in. PEBBLE MILLS
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY

50 CHURCH ST., NEW YORK 7, N. Y.

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3—Thropp 2 roll Rubber Mills 16 x 30".

1—Farrell, 2 roll Rubber Mill 14 x 30.

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1—2,000 gallon Pfaudler Tank.

50—Aluminum Rubber-Lined Storage Tanks, 461 Gallons.

13—Sharples Super Pressurite Centrifuges, 3 HP, Explosion-Proof Motors.

2—Readco Jacketed Mixers, Heavy Duty Type Sigma Blade, 100 gallons.

2—Louisville Rotary Steam Tube Dryers 6 x 50.

2—Sperry Filter Presses 30 x 30 recessed type, 35 Chambers.

R. GELB & SONS, INC.
UNION, N. J.
Est. 1886 UNionville 2-4900

AGENCIES WANTED

Sales Representative. Seasoned chemist with successful selling experience wants proven line of chemicals, aromatic chemicals, earths, colors or allied products for Cincinnati area. Office established. G. R. R. 521 Provident Bank Building, Cincinnati, Ohio.

Responsible South American firm wishes to represent reputable concern in distributing pharmaceutical chemicals and pharmaceuticals in Brazil and Argentina. Principals only. OPD 235.

DRUMS WANTED

Empty 55-gallon drums, ICC 17E or 5B. Interested in carload quantities. Quote, giving full information. OPD 198.

EQUIPMENT WANTED

Anderson Oil expelling machine wanted: Will pay cash for same. All details in first letter. OPD 240.

SWITZERLAND: Desire to secure exclusive representation of

CHEMICAL TECHNICAL CHEMICAL PHARMACEUTICAL and FOOD PRODUCTS

(Information as to outstanding experience can be obtained by writing to Wm. H. Fleissner, 215 West Portal Ave., San Francisco 22, Calif.)

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POSTFACH 5, RHEINFELDEN
AARGAU, SWITZERLAND

WANTED

Chemist who can formulate completely for pyroxylin and all types of vinyl coatings on fabrics. State age, education and experience; submit photograph (which will not be returned). All replies held strictly confidential. Excellent opportunity for right party. Plant in Metropolitan area.

BOX No. 239
OIL, PAINT & DRUG REPORTER

FACILITIES OFFERED

Wide variety of liquid mixtures recovered at nominal cost for drum and tank car lots. We handle simple and difficultly-separable mixtures. We are also interested in purchase of all types of crude mixtures. Inquiries solicited. All replies treated in strictest confidence. OPD 210.

FOR SALE

Six copper varnish kettles, covers and trucks. Capacity 140 gallons each, used, good condition, $100.00 each. OPD 234.

MANUFACTURER WANTED

Chemical products distributor will consider financial investment in chemical manufacturing company operating below capacity due to shortage of raw materials or capital. Reply to OPD 241.

MATERIALS OFFERED

For sale, approximately 40,000 lbs. inedible almond oil. This material has been expelled and filtered and is ready for delivery in open-head steel drums. OPD 196.

Offer five tons of citric acid crystals and 30 drums of carbon tet. OPD 236.

MATERIALS WANTED

Wanted, immediately, diethanolamine, any quantity that is available. Kindly contact OPD 187.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities, all kinds. Particularly interested in gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. OPD 215.

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Chemical **plant** containing 35,000 sq. ft., rail sidings, T.V.A. power, city utilities, and river frontage. Contains much valuable equipment suitable for manufacturing organic or inorganic chemicals. Complete well-equipped analytical laboratory and offices. P.O. Box 163, Knoxville, Tennessee.

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Supervisor for Northern New Jersey pharmaceutical plant, mechanical background with experience in ampoule printing; packaging and labelling operations. OPD 222.

Supervisor for Northern New Jersey pharmaceutical plant, pharmaceutical background with experience in solution preparation and ampoule filling and inspection. OPD 223.

Paint, varnish, lacquer laboratory man. Practical formulator for full line of industrial finishes. Chemical education. Location New York metropolitan area. Apply giving age, experience, salary expected. Replies confidential. OPD 237.

Wanted: Chemist, who will have full charge of production of general line of pharmaceuticals for small manufacturing pharmaceutical house employing 50 people, located in small New York State town, 150 miles from New York City. Old and well established business. Please state education, experience, qualifications. OPD 238.

POSITIONS WANTED

Employers: Call us for trained and experienced personnel for research, development, production and technical sales work. Chemical Department, Position **Securing Bureau, Inc. (Agency)** 45 John street, New York City. Telephone COrtlandt 7-9650. Confidential and careful placements.

Production and formulating chemist waxes, insecticides, paint and varnish remover, chemical specialties, seeks responsible connection in New York City area. Reasonable salary. OPD 217.

Graduate chemist B.S., formerly with large industrial testing laboratory and nationally sold cosmetic manufacturer. Experienced research and production of consumer tested formulae. Wish contact progressive expanding firm in drugs, chemical specialties or cosmetics. OPD 219.

SERVICES OFFERED

New and modern equipment for quantity tube filling, also powder and liquids; the production of all types of tablets, expert coating. Two research laboratories, to handle all phases of chemical and biological assays, testing of materials, etc. Contract work a specialty. Lanteen Medical Laboratories, Inc., 900 N. Franklin street, Chicago 10, Ill.

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AMMONIA COMPRESSORS

2—5" x 5" York Ammonia Compressor, Model D-8, 2 cylinder, vertical single acting, 360 RPM, V-Belt driven by 20 H.P. motor, 1750 RPM, 220/440 volts, 3 phase, 60 cycle.

4—4" x 4" Frick Ammonia Compressor, 2 cylinder, vertical, single acting, type-G, complete with V-Belt drive, 10 H.P. 220/440 volt, 3 phase, 60 cycle, 1745 RPM motor.

All New 1942.

LABOUR PUMPS

5—Type 10DZ	2—Type 20DZ
3—Type 10WDL	2—Type 23DZ
3—Type 15DZ	3—Type 25DPL

All made of type R55 metal.

TANKS

10—Vertical warming tanks, jacketed, 10' dia. x 11' high x ⅛" plate. Bolted dished head, 3½" flange around top, complete with 2 blade agitators, Philadelphia gear reducer and 5 H.P. motor, 3 phase, 60 cycle, 220 volt.

4—24' dia. x 20' high x 5/16" steel Horton vertical tanks. Riveted construction in three sections.

8—Mixing tanks, 10' dia. x 10'6" high, welded 3/8" plate, complete with 3 H.P. lightning mixers, mounted on top.

AGITATORS

12—New Patterson Agitators, 1 H.P., 3 phase, 60 cycle, 1200 RPM motor, complete with 60" type 316 stainless steel shafts and gear reducers, 400 RPM output.

WATER TOWER

1—100,000 gallon water tower mounted on 125' structural steel frame, complete with stand pipe and ladders.

HEAT AND POWER CO., Inc.

70 PINE STEET NEW YORK 5, N. Y.

Phone: WHitehall 3-2172

Proprietary Ass'n Names Nominating Committee

Henry P. Bristol, of Bristol-Myers Company, has been named chairman of the nominating committee which will report at the annual meeting of the Proprietary Association of America, to be held in Atlantic City, N. J., next May.

Others on the committee are James Hill, jr., Sterling Drug Company; George H. Miller, Musterole Company; Alvin Brush, American Home Products Corporation; William Y. Preyer, Vick Chemical Company, and Warren Roberts of S.S.S. Company.

Professional Services

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(For further details see listings in OPD Green Book.)

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Arlinco Research Laboratory, Inc.
333 West 52d St., New York 19, N. Y.

Assn. of Consulting Chemists & Chemical Engineers, Inc.
50 East 41st St., New York 17, N. Y.

Biological Laboratories
16 Clinton St., Brooklyn 2, N. Y.

Johan Bjorksten, Ph.D.
185 N. Wabash Ave., Chicago 1, Ill.

Bureau of Chemistry
2 Broadway, New York 4, N. Y.

Colburn Laboratories
431 S. Dearborn St., Chicago 5, Ill.

Di Cyan & Brown
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The Edwal Laboratories, Inc.
732 Federal St., Chicago 5, Ill.

Dr. J. Ehrlich
153 S. Doheny Dr., Beverly Hills, Calif.

Ellis-Foster Company
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Ralph L. Evans Associates
250 East 43rd St., New York 17, N. Y.

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E. M. Laning Company
433 Stuyvesant Ave., Irvington 11, N. J.

LaWall & Harrison
1921 Walnut St., Philadelphia 3, Pa.

Leberco Laboratories
36 Roosevelt Ave., Bloomfield, N. J.

Dr. Fred Linsker
607 West 43d St., New York 18, N. Y.

Molnar Laboratories
211 East 19th St., New York 3, N. Y.

James C. Munch
306 South 69th St., Upper Darby, Pa.

Orthmann Laboratories, Inc.
647 W. Virginia St., Milwaukee, Wis.

Public Service Testing Laboratories, Inc.
381 Fourth Ave., New York 16, N. Y.

W. S. Purdy Company, Inc.
18 Bridge St., Brooklyn 1, N. Y.

Schwarz Laboratories, Inc.
202 East 44th St., New York 17, N. Y.

Foster D. Snell, Inc.
303 Washington St., Brooklyn 1, N. Y.

Stillwell & Gladding, Inc.
130 Cedar St., New York 6, N. Y.

Wiley & Company, Inc.
Calvert & Read Sts., Baltimore 2, Md.

Ethyl Acetate War Allocations Revealed

Allocations of ethyl acetate from July 1, 1944, to June 30, 1945, based on chemical allocation records of the War Production Board, have been released by the Civilian Production Administration. Allocations were as follows:—

	Pounds
Total allocations	124,172,000
Export	9,843,000
Other uses	114,329,000
Protective coatings*	78,502,000
Chemical manufacture	7,168,000
Ethyl acetoacetate	5,936,000
Acetic acid concentrate	1,232,000
Plastics	4,982,000
Denaturants	4,963,000
Adhesives and cements	4,825,000
Drugs and pharmaceuticals	2,783,000
Smokeless powder	1,028,000
Cleaners and removers	995,000
Impregnated oil seals	755,000
Resins	357,000
Aircraft cleaning	244,000
Food flavors	145,000
Research	80,000
Miscellaneous uses and small orders	7,493,000

* For military and industrial equipment and furniture.

Diethyl Phthalate Quotas Reported

Allocations of diethyl phthalate from January 1, 1944, to June 30, 1945, based on chemical allocation records of the War Production Board, have been released by the Civilian Production Administration. Allocations were as follows:—

	Pounds
Total allocations	9,244,000
Direct military*	3,218,000
Foreign	4,000
Other uses	6,022,000
Protective coatings and plastics	5,544,000
Photograpic film	337,000
Denaturants	54,000
Miscellaneous uses and small orders†	67,000

* End-use data not available.
† Includes small amounts used for inks, cable impregnation, and soap manufacture.

Copra Oil & Meal Company, Wilmington, Calif., is erecting a new plant at 914 San Clemente street, Wilmington. The new building will consist of offices, laboratory, locker rooms and metal storage tanks for copra and meal.

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Corporation Earnings

Abbott Laboratories

	1946	1945
Net income, 9 mos., Sept. 30	$8,295,960	$2,319,598
Per share	4.39	2.62

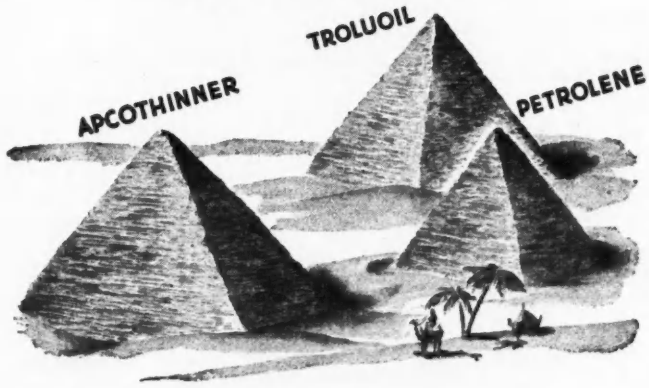
American Viscose Corporation

Net income, Sept. 30, quar.	2,050,229	834,565
Per share	.98	.31

American Water Works & Subsidiaries

Net income, 9 mos., Sept. 30	4,845,331	5,697,874
Per share	1.68	2.04

UNIFORMITY



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Another Winner

FINE ORGANICS, INC., has been awarded the Certificate of Meritorious Achievement by the Navy for its development of GERM-I-TOL.

(Reprinted from the Oil, Paint and Drug Reporter, July 1, 1946)

GERM-I-TOL

A highly potent antiseptic, and powerful deodorant, GERM-I-TOL is odorless, tasteless and non-toxic in recommended strengths. It is a quaternary ammonium compound and does not contain iodine, phenol or mercury.

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3. **Disinfecting gas masks and other personal equipment.**
4. **Disinfecting clothing prior to laundering.**
5. **Disinfecting of wash rooms and toilets.**
6. **Fungicidal use.**
7. **Use with trisodium phosphate for cleaning.**
8. **Sterilization of intact skin.**

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